

CBI REVIEW TRANSMITTAL FORM

RIN: 1249-08 LOG NUMBER: 6380
CASEWORKER: Whiters
DOCUMENT ID: Reg file - EPA Reg. No. 2724-473
COMPANY REQUESTS OWN DATA: YES / NO
DOCUMENTS SUBMITTED WITH THIS TRANSMITTAL WILL CLOSE THE CASE: YES / NO
SPECIAL INSTRUCTIONS:

1ST REVIEW COMPLETED

DATE: 6/30/08 INITIALS: lw REVIEW TIME: 2 1/4 hrs

2ND REVIEW COMPLETED

DATE: 7/14/08 INITIALS: TO REVIEW TIME: 2 hrs

REDACTIONS REQUIRED: YES / NO

Please remember that before redactions are made, the requestor must be notified concerning the existence of CBI or potentially CBI information contained within the records(s). If the requestor determines that CBI information identified in the 1st and 2nd review process is responsive to their request, return the record(s) in their entirety to the second reviewer for further action. If the requestor determines that CBI information is not responsive to their request, the redaction process can commence. Once the redactions are completed, return the records to the second reviewer for a quality control check before copying.

REDACTIONS COMPLETED:

DATE: 7/16/08 INITIALS: RW REVIEW TIME: 10 min

QUALITY CONTROL CHECK (TO BE COMPLETED BY THE 2ND REVIEWER):

DATE: 7/16/08 INITIALS: TO

Log Number: _____

Page _____ of _____

Caseworker: Whiters

Pages: 197

Identification: Reg file - EPA Reg no. 2724-413

Transferred (Yes/No/n.a.)

Transfer History: _____

[illegible]

EPA REGISTRATION NUMBER 2724-473

S. Reilly
BPPD PRAT ACTION CODING FORM

FOR JAMES ANDERSON

REGISTRANT/COMPANY NAME:

Wellmark International

Fast Track: ☒ Yes ☐ No

Reviewer: F. R. Wilkins

Assigned by: sdh 12-17-02

EPA REG./FILE SYMBOL 2724-473

ACTION CODE 300

(Note: If Fast Track, you may need to change Reviewer's Name in PRAT.)

(New A.I./EUP'S/Tolerances: Yes ☐ No ☐)

DATE OF APPLICATION 11/21/02

EPA RECEIVED DATE 11/22/02

BPPD RECEIVED DATE 12/13/02

SUBMISSION BARCODE 5626723

ASSIGNED IN PRAT: Yes ☒ No ☐

COMPLETED BY T. Bethert DATE 12/20/02

LOGGED IN BRATS: Yes ☒ No ☐ DATE 12/23/02 COMPLETED BY GP

RAL RECEIVED _____ DATE _____

(RAL initials)

FINAL ACTION

RESPONSE CODE: _____

RESPONSE DATE: _____

MOS: _____ (1) Cite All
_____ (4) Not Applicable
_____ (3) Selective

CRP	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Restricted Use:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Manufacturing Use:	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Exclusive Use:	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Expedited (1 Week) Confidential Statement of Formula Review

Reg. No. / File Symbol: 2724-473CSF Date: 3-16-2001Basic or Alternate Formula: Alt. formFood Use (Yes or No): N (cattle, premit)Date Given to Reviewer: 3-27-2001Reviewer Signature and Date: Paul L. Lubkoff

Status (Unacceptable or Acceptable): _____

- a) Completely filled out including pH, flashpoint, flammability, etc. if applicable YES ☒ NO ☐
- b) Totals are accurate YES ☒ NO ☐
- c) Certified limits agree with 40 CFR 158.175 or 5 batch analysis YES ☒ NO ☐
- d) PC codes assigned on CSF for inerts and 40 CFR 180.1001 c, d, or e codes noted for products that have food or feed uses YES ☒ NO ☐
- e) No inerts on list 1 present YES ☒ NO ☐
- f) CSF is signed and dated YES ☒ NO ☐
- g) Registered source for a.i. YES ☒ NO ☐
- a) Alternate formula(s) do not require different labeling from basic or other alternate formulas? YES ☐ NO ☐

CAS Reg No in 16.4 is NOT CORRECT
corrected



CONFIDENTIAL BUSINESS INFORMATION

MEMORANDUM

Date: May 25, 2001

SUBJECT: CSF Review Altosid® 10% Cattle Premix Reg. No. 2724-473
Alternate Formulation Wellmark International
March 16, 2001 Steven R. Spaulding 847-330-5380

TO: Jim Downing, RAL
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division 7511C

FROM: Paul Zubkoff, Ph.D., Chemist
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division 7511C

Subject: CSF Review - Deficiencies

<u>Item</u>	<u>Deficiency</u>	<u>Comment</u>	<u>Remediation Needed</u>
10.4	[REDACTED]	CAS Reg. No. is not correct	
Registrant must correct the CAS Reg. No.			
11.1	Mail Code of Supplier is omitted		Registrant needs to supply mail code
11.2	Mail Code of Supplier is omitted		Registrant needs to supply mail code
11.3	Mail Code of Supplier is omitted		Registrant needs to supply mail code
11.4	Mail Code of Supplier is omitted		Registrant needs to supply mail code

INERT INGREDIENT INFORMATION IS NOT INCLUDED

Biochemical Pesticides Branch

RAL: Jim Downing

Expedited (1 Week) Confidential Statement of Formula Review

Reg. No. / File Symbol: 2724-473

CSF Date: 3-16-2001

Basic or Alternate Formula: ~~Basic~~ BASIC FORMULATION

Food Use (Yes or No): N (cattle premix)

Date Given to Reviewer: 3-27-2001

Reviewer Signature and Date: Paul Zablack 5/25/01

Status (Unacceptable or Acceptable): _____

- a) Completely filled out including pH, flashpoint, flammability, etc. if applicable YES ☒ NO ☐
- b) Totals are accurate YES ☒ NO ☐
- c) Certified limits agree with 40 CFR 158.175 or 5 batch analysis WITHIN LIMITS YES ☒ NO ☐
- d) PC codes assigned on CSF for inerts and 40 CFR 180.1001 c, d, or e codes noted for products that have food or feed uses YES ☐ NO ☐
- e) No inerts on list 1 present YES ☒ NO ☐
- f) CSF is signed and dated YES ☒ NO ☐
- g) Registered source for a.i. YES ☒ NO ☐
- a) Alternate formula(s) do not require different labeling from basic or other alternate formulas? YES ☐ NO ☐

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

See H. Hachet

10.4

REGISTRATION / SUPPLIER TO SEND MSDS SHEET
and Comparison with ingredients listed
CSF corrected 4



CONFIDENTIAL BUSINESS INFORMATION

MEMORANDUM

Date: May 25, 2001

SUBJECT: CSF Review Altosid® 10% Cattle Premix Reg. No. 2724-473
Basic Formulation Wellmark International
March 16, 2001 Steven R. Spaulding 847-330-5380

TO: Jim Downing, RAL
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division 7511C

FROM: Paul Zubkoff, Ph.D., Chemist
Biochemical Pesticides Branch
Biopesticides and Pollution Prevention Division 7511C

Paul Zubkoff
5/25/01

Subject: CSF Review - Deficiencies

<u>Item</u>	<u>Deficiency</u>	<u>Comment</u>	<u>Remediation Needed</u>
10.4	[REDACTED]	Trade Name is not known to Agency	
	Registrant / Supplier needs to forward MSDS Sheet with CAS Reg. No., name and composition (including percentages of impurities) This information may to furnished directly to the Agency by the supplier on a confidential (CBI) basis, if desired		
11.1	Mail Code of Supplier is omitted		Registrant needs to supply mail code
11.2	Mail Code of Supplier is omitted		Registrant needs to supply mail code
11.3	Mail Code of Supplier is omitted		Registrant needs to supply mail code
11.4	Mail Code of Supplier is omitted		Registrant needs to supply mail code

NEXT INGREDIENT INFORMATION IS NOT INCLUDED

BPPD PRAT ACTION CODING FORM

W/ell/Mark:

PM 90: Janet Andersen

REVIEWER: Dore Hudson

(ASSIGNED BY: W/ell/Mark)

EPA REG./FILE SYMBOL 2724-473

Notification

ACTION CODE 300

(NEW a.i./EUPs/Tolerances: Yes No)

SUBMISSION BARCODE: S595608

DATE ON APPLICATION 3/16/01

EPA RECEIVED DATE 3/20/01

PM RECEIVED DATE 3/28/01

ASSIGNED IN PRAT: YES X NO

COMPLETED BY: T. Bethea DATE: 4/13/01

due 6/18/01

~~~~~

METHOPRENE (HNSI)

## FINAL ACTION

file room

Response Code 37-3

Response Date: 1-4-02

MOS:      (1) Circ-All  
     (4) Not Applicable  
     (8) Selective

CRP: Yes      No     

Restricted Use: Yes      No     

Manufacturing Use: Yes      No     

Exclusive Use: Yes      No

# BPPD PRAT ACTION CODING FORM

Wellmark International  
PM 90: Janet Andersen

REVIEWER: Jon Burney  
(ASSIGNED BY: Mike Mule)

EPA REG./FILE SYMBOL 2724-473

ACTION CODE 348

Amendment

(NEW a.i./EUPs/Tolerances: Yes      No     )

SUBMISSION BARCODE 5595596

DATE ON APPLICATION 3/18/01

EPA RECEIVED DATE 3/20/01

PM RECEIVED DATE 3/4/01

ASSIGNED IN PRAT: YES X NO     

COMPLETED BY: T. Bothea DATE: 4/13/01

METHOPRENE (ANSI)

## FINAL ACTION

Response Code     

Response Date:     

MOS:      (1) Cite-All  
     (4) Not Applicable  
     (8) Selective

CRP: Yes      No     

Restricted Use: Yes      No     

Manufacturing Use: Yes      No     

Exclusive Use: Yes      No

FRONT END PROCESSING APPLICATION INFORMATION CHECK LIST

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PM 91

EPA COMPANT NUMBER 2724-473

EPA REGISTRATION NUMBER STATUS ACTIVE ☒ CANCELLED ☐  
(FOR AMENDMENTS)

NOT IN REFS ☐

"ME-TOO" CITED PRODUCT STATUS ACTIVE ☐ CANCELLED ☐

NOT IN REFS ☐

OPP# 284488 DATE 3-23-01

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AMENDMENT

APPLICATION FOR AMENDMENT

WITH DATA

WITHOUT DATA

INIT.

DATE

INIT.

DATA

FEU-----

\_\_\_\_\_

FEU few

3-23-41

SIG. (DATA)\_\_\_\_\_

\_\_\_\_\_

PM 91

PM\_\_\_\_\_

OPP # 284488



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

03/28/2001

STEVE SPAULDING  
WELLMARK INTERNATIONAL  
1100 EAST WOODFIELD ROAD, SUITE 500  
SCHAUMBURG IL 60173

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PRODUCT NAME: ALTOSID 10% CATTLE PREMIX  
COMPANY NAME: WELLMARK INTERNATIONAL  
OPP IDENTIFICATION NUMBER: 284488  
EPA REGISTRATION NUMBER: 2724-473  
EPA RECEIPT DATE: 03/20/2001

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application qualifies for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability.

If you have any questions, please contact Sheryl Reilly, Product Manager 91, at (703) 308-8269.

Sincerely,

*J. Wrice*

Front End Processing Staff  
Information Services Branch  
Program Management and Support Division



FRONT END PROCESSING APPLICATION INFORMATION CHECK LIST

PM 91

EPA COMPANY NUMBER 2724-473

EPA REGISTRATION NUMBER STATUS  
(FOR AMENDMENTS)

ACTIVE ☒ CANCELLED ☐  
NOT IN REFS ☐

"ME-TOO" CITED PRODUCT STATUS

ACTIVE ☐ CANCELLED ☐  
NOT IN REFS ☐

OPP# 271419 DATE 2-25-00

AMENDMENT

APPLICATION FOR AMENDMENT

WITH DATA

INIT.

DATE

FEU \_\_\_\_\_

SIG (DATA) \_\_\_\_\_

PM \_\_\_\_\_

OPP # 271 419

WITHOUT DATA

INIT.

DATE

FEU lv 2-25-00

PM 91





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

02/25/2000

STEVEN R. SPAULDING  
WELLMARK INTERNATIONAL  
1000 TOWER LANE, SUITE 245  
BENSENVILLE IL 60106

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PRODUCT NAME: ALTOSID CATTLE PREMIX  
COMPANY NAME: WELLMARK INTERNATIONAL  
OPP IDENTIFICATION NUMBER: 271419  
EPA REGISTRATION NUMBER: 2724-473  
EPA RECEIPT DATE: 02/24/2000

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application qualifies for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability.

If you have any questions, please contact Sheryl Reilly, Product Manager 91, at (703) 308-8269.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. White".

Front End Processing Staff  
Information Services Branch  
Program Management and Support Division

# BPPD PRAT ACTION CODING FORM

PM 90: Janet Andersen

REVIEWER: NELSON

EPA REG/FILE SYMBOL 2724-473

ACTION CODE 300

SUBMISSION BARCODE \_\_\_\_\_

*amendment: label error in  
change from minimal to  
nominal*

Date on Application 4/18/97

EPA Received Date 4/12/97

PM Received Date 1/1

Assigned in PRAT YES \_\_\_\_\_ NO \_\_\_\_\_

Completed by: S. Diana Hudson Date \_\_\_\_\_

.....

## FINAL ACTION

Response Code \_\_\_\_\_

Response Date: / /

MOS: \_\_\_\_\_ (1) Cite-All

\_\_\_\_\_ (4) Not Applicable

\_\_\_\_\_ (8) Selective

CRP: Yes \_\_\_\_\_ No \_\_\_\_\_

Restricted Use: Yes \_\_\_\_\_ No \_\_\_\_\_

Manufacturing Use: Yes \_\_\_\_\_ No \_\_\_\_\_

Exclusive Use: Yes \_\_\_\_\_ No \_\_\_\_\_



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

October 9, 1996

SANDOZ AGRO, INC  
1300 E. TOUHY AVE  
DES PLAINES, IL 60018

ATTN: STEVEN R SPAULDING

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PRODUCT NAME: ALTOSID 10% CATTLE PREMIX  
COMPANY NAME: SANDOZ AGRO, INC  
OPP IDENTIFICATION NUMBER: 243422  
EPA FILE SYMBOL: 2724-UTG  
EPA RECEIPT DATE: 10/09/96

SUBJECT: RECEIPT OF APPLICATION FOR A NEW REGISTRATION

DEAR REGISTRANT

The Office of Pesticide Programs has received your application for a new registration, and it has passed an administrative screen for completeness.

Please note that this is only a notification of receipt of your application. This is only the first step in the application process, and does NOT constitute approval.

If you have any questions, please contact Phil Hutton, Product Manager 90 at (703)308-8260.

Sincerely,

Front End Processing Staff  
Information Services Branch  
Program Management and Support Division



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that

**CORPORATE HEADQUARTERS**

TEL 847.699.1616

Office Of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Crystal Station - 5th Floor  
2805 Jefferson Davis Highway  
Arlington, VA 22202

October 1, 1996

Attn: Mr. Willie Nelson


Subject: ALTOSID 10% Cattle Premix - Custom Blending  
New End-Use Product Registration  
Formulator's Exemption Statement

Dear Mr. Nelson:

As a followup to our telephone conversation this morning, please find enclosed a completed Formulator's Exemption Statement and Confidential Statement of Formula (CSF) to complete our "no data" submission for an end-use product registration for ALTOSID 10% Cattle Premix for custom blending. Please include this form and CSF with the original submission dated September 19, 1996.

Please contact me at (847) 390-3007 if you have any questions.

Yours Sincerely,  
SANDOZ AGRO, Inc.

  
Steven R. Spaulding  
Manager, Regulatory Affairs  
Consumer and Animal Health Products

# BPPD PRAT ACTION CODING FORM

EPA REG. FILE SYMBOL 2724-UTG

ACTION CODE 160

SUBMISSION BARCODE 512850 Formulators Exemption  
Statement/CSF

PM 90: Janet Andersen

REVIEWER: NELSON

Date on Application 10/1/1996

EPA Received Date 10/9/1996

PM Received Date 10/15/1996

Assigned in PRAT YES ☒ NO ☐

Completed By: Milwina Locklear Date 10-15-96

\*\*\*\*\*

## FINAL ACTION:

Response Code \_\_\_\_\_

Response Date: 1 1995

MOS: \_\_\_\_\_ (1) Cite-All

\_\_\_\_\_ (4) Not Applicable

\_\_\_\_\_ ☒ Selective

CRP: Yes \_\_\_\_\_ No \_\_\_\_\_

Restricted Use: Yes \_\_\_\_\_ No \_\_\_\_\_

Manufacturing Use: Yes \_\_\_\_\_ No \_\_\_\_\_

Exclusive Use: Yes \_\_\_\_\_ No \_\_\_\_\_

Willie: I used PC 105401  
to enter into PRAT because  
the chemical <sup>was</sup> unknown

# FAST TRACK

Expedited Processing

checked  
out  
willie Nelson

10/10/96

To: Files  
Lucy said,  
Please put  
attached jacket  
in envelope  
(with office) etc.  
Processing for  
W. Nelson. Thanks  
D.H.

# NEW REGISTRATION OR NEW EUP

## FAST TRACK \* APPLICATION FOR NEW REGISTRATION

| <u>WITH DATA</u> | Init. | Date  | <u>NO DATA</u>   | Init. | Date  |
|------------------|-------|-------|------------------|-------|-------|
| FEU              | _____ | _____ | FEU              | _____ | _____ |
| Fileroom/JACKETS | _____ | _____ | Fileroom/JACKETS | _____ | _____ |
| SIG (DATA)       | _____ | _____ | PM               | _____ | _____ |
| Fileroom/JACKETS | _____ | _____ |                  |       |       |
| PM               | _____ | _____ |                  |       |       |

## REGULAR APPLICATION FOR NEW APPLICATION OR EXPERIMENTAL USE PERMIT

Includes new petition for Tolerance: YES or NO

| <u>WITH DATA</u> | Init. | Date  | <u>NO DATA</u>   | Init. | Date  |
|------------------|-------|-------|------------------|-------|-------|
| FEU              | _____ | _____ | FEU              | _____ | 10/16 |
| Fileroom/JACKETS | _____ | _____ | Fileroom/JACKETS | _____ | 10/16 |
| SIG (DATA)       | _____ | _____ | PM               | _____ | _____ |
| Fileroom/JACKETS | _____ | _____ |                  |       |       |
| PM               | _____ | _____ |                  |       |       |

\* Front End Processing determined this application qualifies for fast track review based of registrants claim of "me-too". No screen for substantial similarity is made by the Front End Processing Section.



FRONT END PROCESSING APPLICATION INFORMATION CHECK

PM ✓

EPA COMPANY NUMBER ✓

EPA REGISTRATION NUMBER  
STATUS (For Amendments)

Active \_\_\_\_\_ Cancelled \_\_\_\_\_

Not in REFS \_\_\_\_\_

"ME-TOO" CITED PRODUCT STATUS

Active \_\_\_\_\_ Cancelled \_\_\_\_\_

Not in REFS \_\_\_\_\_

PRAT RECORD CREATED ✓

EPA Reg. No.: 2724-473**BPPD Label Amendment Check List**Application Date: 11/18/02

RAL: \_\_\_\_\_

Check List current as of 10-19-2001

| No. | Check List Item                                                                                                                                                                                                                                                                                                        | Yes | No |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 1.  | <b>Application Form</b> (EPA Form 8570-1) -signed & complete including package type?<br><b>If NO, STOP!</b> Call applicant and have them correct application and resubmit.                                                                                                                                             | ✓   |    |
| 1a. | <b>Fast-Track?</b>                                                                                                                                                                                                                                                                                                     | ✓   |    |
| 2.  | <b>Amendment covered by PR Notice 98-10</b> (Notifications)? <b>If YES, STOP.</b> Call applicant and inform them that this submission will be converted to a notification. After closing out in PRATS, forward to Notification Review Coordinator.                                                                     |     | ✓  |
| 3.  | <b>Final printed labeling received for previous action?</b> <b>If NO, Stop!</b> E-mail applicant and request final printed labeling (FPL). Inform them that FPL from the last accepted label is needed to support the current application. File e-mail as record of notification. Log out of PRATS (label deficiency). | ✓   |    |
| 4.  | <b>Data and Data Matrix</b> (EPA Form 8570-35)                                                                                                                                                                                                                                                                         | NA  |    |
|     | a) using Selective Method? [If NO, (Data Matrix not required), skip to Item 5.]                                                                                                                                                                                                                                        |     |    |
|     | 1) Complete Data Matrix. Minimum Data Matrix for registration includes: Product specific acute tox and product chemistry data, plus Efficacy data for Public Health pests claimed on label.                                                                                                                            |     |    |
|     | b) Adequate Product Specific data                                                                                                                                                                                                                                                                                      |     |    |
|     | c) Registered source used for active ingredient? If Yes, active ingredient is from a registered source and generic data should be satisfied by registered source. Skip to Item 5. If No, generic data is necessary.                                                                                                    |     |    |
|     | d) Data passed 86-5? (Data formatting PR Notice)                                                                                                                                                                                                                                                                       |     |    |
|     | e) Public copy of Matrix provided? (As required by PRN 98-5)                                                                                                                                                                                                                                                           |     |    |
| 5.  | <b>Certification with Respect to Citation of Data</b> (EPA Form 8570-34)<br>See 40 CFR 152.80-98 and PR Notice 98-5 [Note: If no data are required or submitted, a Certification with Respect to Citation of Data form is not needed. This is often true for minor amendments.]                                        | NA  |    |
|     | a) Did applicant check a Method of Support?                                                                                                                                                                                                                                                                            |     |    |
|     | b) General Offer to Pay checked for Cite-all Method or Cite-all under Selective Method?                                                                                                                                                                                                                                |     |    |
|     | c) Is the form signed and dated?                                                                                                                                                                                                                                                                                       |     |    |
|     | d) Check form and Data Matrix; are Exclusive Use data cited from other sources?                                                                                                                                                                                                                                        |     |    |
|     | 1.) If Yes, is the required authorization letter included in application?                                                                                                                                                                                                                                              |     |    |
| 6.  | <b>Label(s) Review</b> <span style="float: right;"><b>Date of Label Review:</b> <u>1/10/03</u></span>                                                                                                                                                                                                                  |     |    |
| a.  | Label(s) agrees with current Label Review Manual and appropriate REDS                                                                                                                                                                                                                                                  | ✓   |    |
| b.  | Labeling from acute tox, product chemistry, and efficacy data (Public Health pests)                                                                                                                                                                                                                                    | ✓   |    |
| c.  | Nonfatal concentration of active ingredient shown in ingredients statement                                                                                                                                                                                                                                             | ✓   |    |
| d.  | Viability included as substatement of Ingredient Statement (if live microbial, e.i., cfu/gram)                                                                                                                                                                                                                         | N/A |    |
| e.  | Storage and disposal instructions agree with container types listed on application form                                                                                                                                                                                                                                | ✓   |    |
| f.  | Unique Product Name for Same Company (Check REFS)                                                                                                                                                                                                                                                                      | ✓   |    |
| g.  | Labeling is acceptable. Corrections or changes are NOT necessary.                                                                                                                                                                                                                                                      | 23  |    |

Nancy Huebl

1/14/02

Fax 847-330-5315

EPA REG NO  
2724-473

United States Environmental Protection Agency

JAN 14 2003

Wellmark International  
c/o Ms. Nancy Huebl  
1100 East Woodfield Road  
Suite 500  
Schaumburg, IL 60173

Subject: Label Amendment Application dated: 11/18/02  
Product: Altosid 10% Cattle Premix  
EPA Reg. No.: 2724-473

Dear Ms. Huebl:

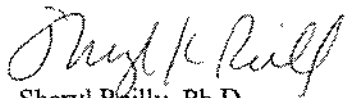
The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Final printed labeling means the label or labeling of the product when distributed or sold. Clearly legible reproductions or photo reductions will be accepted for unusual labels, such as those silk-screened directly onto glass or metal containers or large bags or drum labels.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Sheryl Reilly, Ph.D.

Chief

Biochemical Pesticides Branch

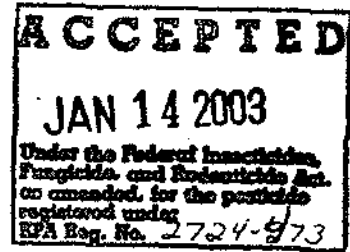
Biopesticides and Pollution

Prevention Division (7511C)

| Enclosures |                                | CONCURRENCES  |         |  |  |  |    |
|------------|--------------------------------|---------------|---------|--|--|--|----|
| SYMBOL     | Manually generated label 7511C |               |         |  |  |  |    |
| SURNAME    |                                | Sheryl Reilly |         |  |  |  | 25 |
| DATE       | 1/10/03                        | 1-10-03       | 1/13/03 |  |  |  |    |

EPA Form 1320-1 (12-70)

OFFICIAL FILE COPY



[ ] indicates optional statements

**ALTOSID® 10% CATTLE PREMIX**

To prevent the breeding of horn flies in the manure of treated cattle

**ACTIVE INGREDIENT:**

S-Methoprene (CAS #65733-16-6) ..... 10.5%

**OTHER INGREDIENTS:** ..... 89.5%

Total ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See the side/back panel for First Aid and Precautionary Statements

EPA Reg. No. 2724-473

EPA Est. No.

Net Wt.

### **General Information**

ALTOSID® 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### **Blending and Feeding ALTOSID 10% Cattle Premix**

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in complete feeds, concentrates, hand feeds, or loose or block mineral or protein supplements.

ALTOSID 10% Cattle Premix is fed to cattle at the level of **340 mg of ALTOSID 10% Cattle Premix/100 lb body weight/month** or **22.7 – 45.4 mg of S-methoprene/100 lb. of body weight per month** to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day**. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 226 (0.050)                                 | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix Block                                    | 8.0 oz/head        | -                                 | 226 (0.05)                                        | -                                           | 452                                                        |
|                                                      | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
| Molasses Mineral Tub                                 | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
| Molasses Protein Tub                                 | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at [phone number], day or night.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Harmful if absorbed through skin. Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

#### FIRST AID

Call a poison control center or doctor immediately for treatment advice.

|                        |                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If in eyes             | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li></ul> |
| If on skin or clothing | <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li></ul>                                                                   |
| If inhaled             | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li></ul>        |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-[phone number] for emergency medical treatment information.

[Note: First Aid statement paragraph format may be used if space is limited.]



**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

For information, call [phone number] or visit our Web site: [URL]

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Schaumburg IL 60173

Made in USA



"Huebl, Nancy"  
<Nancy.Huebl@wellmarkint.com>

01/10/03 11:40 AM

To: Andrew Bryceland/DC/USEPA/US@EPA  
cc:  
Subject: RE: 2724-473 ALTOSID CATTLE PREMIX FIRST AID AMENDMENT  
PENDING

Great. Thanks.

-----Original Message-----

From: Bryceland.Andrew@epamail.epa.gov  
[mailto:Bryceland.Andrew@epamail.epa.gov]  
Sent: Friday, January 10, 2003 10:36 AM  
To: Huebl, Nancy  
Cc: Downing.Jim@epamail.epa.gov; Hollis.Linda@epamail.epa.gov;  
reilly.sheryl@epamail.epa.gov  
Subject: RE: 2724-473 ALTOSID CATTLE PREMIX FIRST AID AMENDMENT PENDING

Ms. Huebl,

I can make the change on my end using the electronic version of the label you sent in earlier.

Regards,  
Andrew Bryceland

"Huebl, Nancy"

<Nancy.Huebl@wellmarkint.com>  
Bryceland/DC/USEPA/US@EPA  
Downing/DC/USEPA/US@EPA, Linda  
Sheryl Reilly/DC/USEPA/US@EPA,  
01/10/03 11:15 AM  
<Steve.Spaulding@wellmarkint.com>  
ALTOSID CATTLE PREMIX FIRST AID

To: Andrew  
cc: Jim  
Hollis/DC/USEPA/US@EPA,  
"Spaulding, Steve"  
Subject: RE: 2724-473  
AMENDMENT PENDING

Thanks for the response. These changes are acceptable. Can you make on your end and stamp or do you need me to send revised version? Let me know if you need something from me.  
Nancy Huebl  
Wellmark International  
847-330-5376

-----Original Message-----

From: Bryceland.Andrew@epamail.epa.gov  
[mailto:Bryceland.Andrew@epamail.epa.gov]  
Sent: Friday, January 10, 2003 9:49 AM  
To: Nancy.Huebl@wellmarkint.com

Cc: Downing.Jim@epamail.epa.gov; Hollis.Linda@epamail.epa.gov;  
reilly.sheryl@epamail.epa.gov  
Subject: 2724-473 ALTOSID CATTLE PREMIX FIRST AID AMENDMENT PENDING

Subject: Label Amendment Application dated: 11/18/02  
Product: Altosid 10% Cattle Premix  
EPA Reg. No.: 2724-473

Dear Ms. Huebl:

Jim Downing forwarded your email (1/9/02) regarding the Environmental Hazards statement, and it is acceptable. There are two other items that need to be corrected on your label. In the interest of facilitating your amendment perhaps we make these corrections via email. The specific deficiencies are listed below. I have also taken the liberty of making these corrections on the electronic version of the label you sent to Jim Downing. Please respond back to me if all of this is acceptable.

I) Precautionary Statements

a) Acute Dermal Toxicity is Category III for this product. Please modify the precautionary statement on the submitted label to the following:

"Harmful if absorbed through skin. Causes eye and skin irritation. Avoid contact with skin eyes and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling."

b) Please change the statement, "See additional precautionary statements" on the front panel to "See the side/back panel for First Aid and Precautionary Statements."

Regards,  
Andrew Bryceland  
Regulatory Action Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention Division  
USEPA  
(703)-305-6928

(See attached file: amend first aid altosid cattle premix 1002\_v2.wpd)

----- Forwarded by Andrew Bryceland/DC/USEPA/US on 01/10/03 10:44 AM  
-----

Jim Downing

Bryceland/DC/USEPA/US@EPA  
01/10/03 10:00 AM

To: Andrew  
cc:  
Subject: 2724-473

ALTOSID  
CATTLE PREMIX FIRST AID AMENDMENT

PENDING

Andy: If you can use it, here is an electronic version of that methoprene cattle premix label with the Env. Hazards added. Enjoy. Jim

----- Forwarded by Jim Downing/DC/USEPA/US on 01/10/2003 09:58 AM -----

"Huebl, Nancy"

Downing/DC/USEPA/US@EPA  
Steve"  
<Nancy.Huebl@wellmarkint.com>  
arkint.com>

To: Jim  
cc: "Spaulding,

<Steve.Spaulding@wellmarkint.com>  
01/09/2003 06:02

Subject: 2724-473.

ALTOSID  
CATTLE PREMIX FIRST AID AMENDMENT  
PM

PENDING

Hi Jim, I understand from Steve that you inquired about an Environmental Hazards statement on the above label we submitted as a First Aid amendment.

(I had prior correspondence with A. Bryceland - thought he was working on

this). Anyway, to facilitate the approval, here is an electronic version of

the submitted label with an Environmental Hazards Statement added, no other

changes made. Hopefully, this can be stamped approved. Thanks for the heads up. Give Steve or me a call if you have any other questions.

Nancy Huebl

Wellmark International

847-330-5376

<<amend first aid altosid cattle premix 1002.doc>>

See below - scroll down

\*\*\*\*\*

This communication (including attachments) contains private, confidential, privileged and/or proprietary information intended solely for the Recipient

(s) named above. If you are not the intended Recipient, any use, dissemination, distribution or copying of the communication is strictly prohibited. If received in error, we apologize and ask that you please notify the Sender by calling 847/330-5300 or via return e-mail, permanently

delete this communication from your computer and destroy any printed copies.

Thank you in advance for your cooperation.

\*\*\*\*\*

Any views expressed herein are not necessarily those of Wellmark International. No contracts, agreements or legally binding understandings

may be entered into solely by an e-mail communication.

(See attached file: amend first aid altosid cattle premix 1002.doc)

Scratch Copy

[ ] indicates optional statements

### ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**ACTIVE INGREDIENT:**

S-Methoprene (CAS #65733-16-6)..... 10.5%

**OTHER INGREDIENTS:**..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

[See additional precautionary statements] - see item I ①

EPA Reg. No. 2724-473

EPA Est. No.

Net Wt.

### General Information

ALTOSID® 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in complete feeds, concentrates, hand feeds, or loose or block mineral or protein supplements.

ALTOSID 10% Cattle Premix is fed to cattle at the level of **340 mg of ALTOSID 10% Cattle Premix/100 lb body weight/month** or 22.7 – 45.4 mg of S-methoprene/100 lb. of body weight per month to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day**. The calculations in the chart below assume a 1000 pound animal as the head weight, see chart for mixing directions:

→ 158.359 pg 414 + 415  
→ says 277 to 45.4 mg/100 lb/month

Note: Only change to table under this amendment is highlighted in yellow. The rest of the table is identical to stamped "Accepted" label of 1/29/01 + Date: 8/24/02

| FEED PRODUCT                                         | DAILY FEEDING RATE                                             | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%)      | ALTOSID 10% Cattle Premix IN FEED mg/lb (%)                      | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|----------------------------------------------------------------|-----------------------------------|--------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt                                                     | -                                 | -                                                      | 4.3 (0.001)                                                      | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                                                              | 1:9<br>1:19<br>1:39<br>1:79       | 44 (0.01)<br>87 (0.02)<br>174 (0.04)<br>348 (0.08)     | 4.3 (0.001)<br>4.3 (0.001)<br>4.3 (0.001)<br>4.3 (0.001)         | 87<br>174<br>348<br>696                                    |
| Complete Feed                                        | 3.5 lb/cwt*                                                    | -                                 | -                                                      | 3.2 (0.0007)                                                     | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                                                              | 1:9<br>1:19<br>1:39<br>1:79       | 32 (0.007)<br>65 (0.014)<br>129 (0.028)<br>258 (0.056) | 3.2 (0.0007)<br>3.2 (0.0007)<br>3.2 (0.0007)<br>3.2 (0.0007)     | 65<br>130<br>260<br>520                                    |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt                                                     | -                                 | -                                                      | 11.3 (0.0025)                                                    | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                                                              | 1:9<br>1:19<br>1:39<br>1:79       | 113 (0.025)<br>226 (0.05)<br>452 (0.10)<br>904 (0.20)  | 11.3 (0.0025)<br>11.3 (0.0025)<br>11.3 (0.0025)<br>11.3 (0.0025) | 226<br>452<br>904<br>1808                                  |
| Supplement for Hand Feeding                          | 2.0 lb/head<br>1.5 lb/head<br>1.0 lb/head<br>0.5 lb/head       | -<br>-<br>-<br>-                  | 57 (0.013)<br>75 (0.017)<br>113 (0.025)<br>226 (0.050) | -<br>-<br>-<br>-                                                 | 113<br>151<br>226<br>452                                   |
| Mineral Mix Block                                    | 8.0 oz/head<br>4.0 oz/head                                     | -<br>-                            | 226 (0.05)<br>452 (0.10)                               | -<br>-                                                           | 452<br>904                                                 |
| Molasses Mineral Tub                                 | 3.0 oz/head                                                    | -                                 | 603 (0.13)                                             | -                                                                | 1206                                                       |
| Molasses Protein Tub                                 | 2.0 oz/head<br>1.0 oz/250 lb<br>1.0 oz/500 lb<br>1.0 oz/750 lb | -<br>-<br>-<br>-                  | 904 (0.20)<br>452 (0.10)<br>904 (0.20)<br>1356 (0.30)  | -<br>-<br>-<br>-                                                 | 1808<br>904<br>1808<br>2712                                |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.



If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at [phone number], day or night.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

*Refer to item I 6*

##### FIRST AID

Call a poison control center or doctor immediately for treatment advice.

|                        |                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If in eyes             | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li></ul> |
| If on skin or clothing | <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li></ul>                                                                   |
| If inhaled             | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li></ul>        |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-[phone number] for emergency medical treatment information.

[Note: First Aid statement paragraph format may be used if space is limited.]

*Insert Env. Hazard Statement here.*

For information, call [phone number] or visit our Web site: [URL]

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Schaumburg IL 60173

Made in USA



A

Wellmark International  
1100 East Woodfield Road, Suite 500  
Schaumburg, Illinois 60193  
847 330 5300

B

Wellmark

November 19, 2002

Document Processing Desk (AMEND)  
Office of Pesticide Programs 7504C  
U.S. Environmental Protection Agency  
Room 266A Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, Virginia 22202

ATTENTION: Sheryl Reilly, Biopesticides

SUBJECT: LABEL AMENDMENT: PRN 2001-1 FIRST AID  
ALTOSID® 10% CATTLE PREMIX/EPA REG. NO. 2724-473

Dear Ms. Reilly:

Enclosed is completed EPA Form 8570-1 and 5 copies of revised labeling for the above product. I've included one highlighted copy (red is new text; blue [strikeout] is deleted text) for your convenience in reviewing noted changes. This revision reflects updating First Aid with exact text shown in PRN 2001-1.

If you have any questions, please, call me directly at 847-330-5376 or contact me via email ([nancy.huebl@wellmarkint.com](mailto:nancy.huebl@wellmarkint.com)). Thank you for your assistance in this matter.

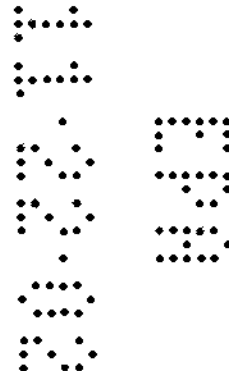
Yours sincerely,  
WELLMARK INTERNATIONAL

*Nancy Huebl*

Nancy Huebl  
Regulatory Specialist

enclosure

cc: C. Elmi/J. Richardson





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

292108

### Application for Pesticide - Section I

|                                                                                                                                                                                                                               |                                                                                                                                                                                            |                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Wellmark International/2724-473                                                                                                                                                                  | 2. EPA Product Manager<br>S. Reilly                                                                                                                                                        | 3. Proposed Classification<br><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Wellmark International/Altosid 10% Cattle Premix                                                                                                                                                 | PM #<br>Biopesticides                                                                                                                                                                      |                                                                                                                |
| 5. Name and Address of Applicant / Registrant (Include ZIP Code)<br>Wellmark International<br>1100 East Woodlief Road, Suite 500<br>Schaumburg, Illinois 60173<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(C)(3)<br>(b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No _____<br>Product Name _____ |                                                                                                                |

### Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application                                          |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

**Explanation:** Use additional page(s) if necessary. (For section I and section II.)  
Label amendment to revise First Aid with exact text from PRN 2001-1

### Section - III

|                                                                                                                         |                                                                                          |                                                                                                                                                                                 |                                                                                                                                                                                                                |                                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Material This Product Will be Packaged in:                                                                           |                                                                                          |                                                                                                                                                                                 |                                                                                                                                                                                                                | 2. Type of Container                                                                                                                      |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                     | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                               | <input type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |                                                                                                                                           |  |
| * Certification must be submitted<br>If *Yes Unit Packaging wgt. No. per container                                      |                                                                                          | If *Yes Unit Packaging wgt. No. per container                                                                                                                                   |                                                                                                                                                                                                                |                                                                                                                                           |  |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container |                                                                                          | 4. Size(s) Retail Container<br>6, 20 lb                                                                                                                                         |                                                                                                                                                                                                                | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Label Accompanying Product |  |
| 6. Manner in Which Label is Affixed to Product                                                                          |                                                                                          | <input type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input checked="" type="checkbox"/> Stenciled<br><input type="checkbox"/> Other _____ |                                                                                                                                                                                                                |                                                                                                                                           |  |

### Section - IV

|                                                                                                                                                                                                                                                                                     |                                   |                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                       |                                   |                                                   |
| Name<br>Nancy Huebl                                                                                                                                                                                                                                                                 | Title<br>Regulatory Specialist    | Telephone No. (Include Area Code)<br>847.330.5376 |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law. |                                   | 6. Date Application Received<br><br>(Stamped)     |
| 2. Signature<br><i>Nancy Huebl</i>                                                                                                                                                                                                                                                  | 3. Title<br>Regulatory Specialist |                                                   |
| 4. Typed Name<br>Nancy Huebl                                                                                                                                                                                                                                                        | 5. Date<br>18-Nov-02              |                                                   |



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

292108

## Application for Pesticide - Section I

|                                                                                                                    |                                                                                                                                                                                      |                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Company/Product Number                                                                                          | 2. EPA Product Manager                                                                                                                                                               | 3. Proposed Classification<br><input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)                                                                                          | PM#                                                                                                                                                                                  |                                                                                                 |
| 5. Name and Address of Applicant (Include ZIP Code)<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                 |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

## Section - III

|                                                                                                                                                                     |                                                                               |                                                                                        |                                                                                                                                                                                          |                                                                                                                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Material This Product Will Be Packaged In:                                                                                                                       |                                                                               |                                                                                        |                                                                                                                                                                                          | 2. Type of Container                                                                                                              |  |
| Child-Resistant Packaging<br><input checked="" type="checkbox"/> Yes*<br><input type="checkbox"/> No                                                                | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |                                                                                                                                   |  |
| * Certification must be submitted                                                                                                                                   |                                                                               | If "Yes" Unit Packaging wgt. _____ No. per container _____                             | If "Yes" Package wgt. _____ No. per container _____                                                                                                                                      |                                                                                                                                   |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container                                                        |                                                                               | 4. Size(s) Retail Container                                                            |                                                                                                                                                                                          | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                               | <input type="checkbox"/> Other _____                                                   |                                                                                                                                                                                          |                                                                                                                                   |  |

## Section - IV

|                                                                                                                                                                                                                                                                             |  |          |  |                                   |                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-----------------------------------|----------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                               |  |          |  |                                   |                                        |
| Name                                                                                                                                                                                                                                                                        |  | Title    |  | Telephone No. (Include Area Code) |                                        |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |          |  |                                   | 6. Date Application Received (Stamped) |
| 2. Signature                                                                                                                                                                                                                                                                |  | 3. Title |  |                                   |                                        |
| 4. Typed Name                                                                                                                                                                                                                                                               |  | 5. Date  |  |                                   |                                        |

42

## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A - Check the appropriate action for which you are submitting this form.**

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number  
292108

### Application for Pesticide - Section I

|                                                                                                                    |                                                                                                                                                                                      |                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Company/Product Number                                                                                          | 2. EPA Product Manager                                                                                                                                                               | 3. Proposed Classification<br><input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)                                                                                          | PM#                                                                                                                                                                                  |                                                                                                 |
| 5. Name and Address of Applicant (Include ZIP Code)<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                 |

### Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Recubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

### Section - III

|                                                                                                                                                                     |                                                                               |                                                                                        |                                         |                                                                                                                                                                                          |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Material This Product Will Be Packaged In:                                                                                                                       |                                                                               |                                                                                        |                                         | 2. Type of Container                                                                                                                                                                     |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No                                                                           | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |                                         | <input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |  |
| * Certification must be submitted                                                                                                                                   |                                                                               | If "Yes" Unit Packaging wgt. No. per container                                         | If "Yes" Package wgt. No. per container |                                                                                                                                                                                          |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container                                                        |                                                                               | 4. Size(s) Retail Container                                                            |                                         | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product                                                        |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenofoam |                                                                               | <input type="checkbox"/> Other _____                                                   |                                         |                                                                                                                                                                                          |  |

### Section - IV

|                                                                                                                                                                                                                                                                             |  |          |  |                                   |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-----------------------------------|-------------------------------------------|
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| 2. Signature                                                                                                                                                                                                                                                                |  | 3. Title |  |                                   |                                           |
| 4. Typed Name                                                                                                                                                                                                                                                               |  | 5. Date  |  |                                   |                                           |

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- 1-5. Self-explanatory.
6. EPA Use Only.

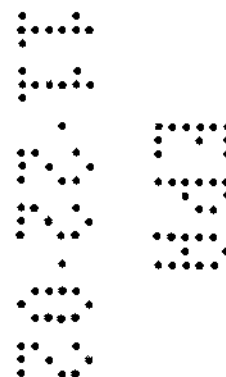


## REGULATORY LABEL DATA SHEET

**File Name:** Amend first aid Altosid cattle premix 1002      **Data Sheet Date:** November 2002  
**Product:** ALTOSID CATTLE PREMIX      **EPA Reg #:** 2724-473  
**Approved:** Submitted 11/02      **Supersedes:** 3/16/01

OVERVIEW Label amendment to revise First Aid per PRN 2001-1

| Page # | Description of Major Changes                                                                       |
|--------|----------------------------------------------------------------------------------------------------|
| 2      | Added protein to type of supplements used in.<br>Added tolerance reference based on 40 CFR 180.359 |
| 3      | Added Molasses Protein Tub to Feed Products                                                        |
| 4      | First Aid – revised with exact text per PRN 2001-1                                                 |
| 5      | Added information/Web site statement                                                               |
|        |                                                                                                    |



[ ] indicates optional statements

**ALTOSID® 10% CATTLE PREMIX**

To prevent the breeding of horn flies in the manure of treated cattle

**ACTIVE INGREDIENT:**

S-Methoprene (CAS #65733-16-6) ..... 10.5%

**OTHER INGREDIENTS:** ..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

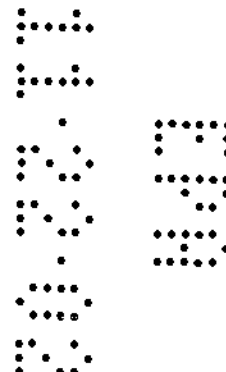
**CAUTION**

See additional precautionary statements

EPA Reg. No. 2724-473

EPA Est. No.

Net Wt.



### General Information

ALTOSID® 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

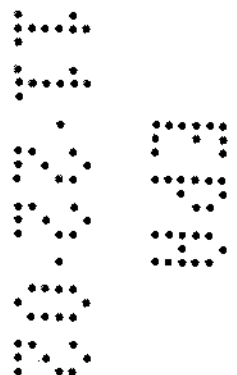
#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in complete feeds, concentrates, hand feeds, or loose or block mineral or protein supplements.

ALTOSID 10% Cattle Premix is fed to cattle at the level of **340 mg of ALTOSID 10% Cattle Premix/100 lb body weight/month** or 22.7 – 45.4 mg of S-methoprene/100 lb. of body weight per month to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day**. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:



| FEED PRODUCT                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|--------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| <b>Complete Feed</b>                 | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing   | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
| Complete Feeds                       | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| <b>Complete Feed</b>                 | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing   | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
| Complete Feeds                       | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| <b>Concentrate Fed with Roughage</b> | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing   | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
| Concentrate Feeds                    | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| <b>Supplement for Hand Feeding</b>   | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| <b>Mineral Mix Block</b>             | 8.0 oz/head        | -                                 | 226 (0.05)                                        | -                                           | 452                                                        |
|                                      | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
| <b>Molasses Mineral Tub</b>          | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
| <b>Molasses Protein Tub</b>          | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at [phone number], day or night.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

| FIRST AID                                                                                                                                                                                                   |                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Call a poison control center or doctor immediately for treatment advice.                                                                                                                                    |                                                                                                                                                                                                                                 |
| If in eyes                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul> |
| If on skin or clothing                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>                                                                   |
| If inhaled                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>        |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-[phone number] for emergency medical treatment information. |                                                                                                                                                                                                                                 |

[Note: First Aid statement paragraph format may be used if space is limited.]

##### FIRST AID

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

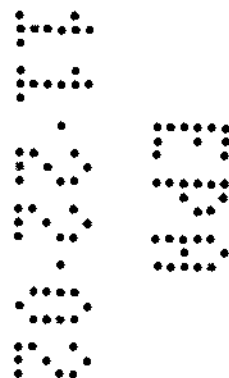
For information, call [phone number] or visit our Web site: [URL]

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Schaumburg IL 60173

Made in USA



[ ] indicates optional statements.

### ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**ACTIVE INGREDIENT:**

S-Methoprene (CAS #65733-16-6) ..... 10.5%

OTHER INGREDIENTS: ..... 89.5%

Total ..... 100.0%

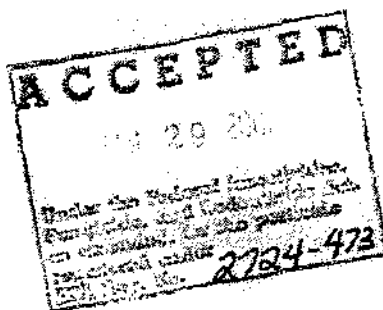
**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements.

EPA Reg. No. 2724-473

Net Wt.



EPA Est. No.

### General Information

ALTOSID® 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

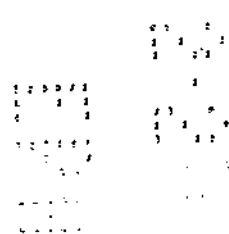
#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:





| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool dry place. Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at [phone number], day or night.

#### **PRECAUTIONARY STATEMENTS**

##### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

##### **CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

##### **FIRST AID**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Bensenville IL 60106

Made in USA



"Huebl, Nancy"  
<Nancy.Huebl@wellmarkint.com>

To: Andrew Bryceland/DC/USEPA/US@EPA  
cc: Sheryl Reilly/DC/USEPA/US@EPA  
Subject: RE: Label Amendment for EPA Reg. No. 2724-473

01/02/03 04:35 PM

Mr. Bryceland, per your email, attached is a letter, EPA 8570-1 form and PDF copy of the ~~final printed~~ label for the above product per your request. I trust this will facilitate further processing of my First Aid amendment. Thanks for following up via email, it really saves a lot of time.

Nancy Huebl  
Wellmark International  
phone: 847/330-5376

-----Original Message-----

From: Bryceland.Andrew@epamail.epa.gov  
[mailto:Bryceland.Andrew@epamail.epa.gov]  
Sent: Thursday, January 02, 2003 9:27 AM  
To: nancy.huebl@wellmarkint.com  
Cc: reilly.sheryl@epamail.epa.gov  
Subject: Label Amendment for EPA Reg. No. 2724-473

Dear Ms. Huebl,

Before we can further process your label amendment application, dated 11/18/02, you must submit to the Agency copies of the ~~final printed~~ label (FPL) for Altosid 10% Cattle Premix (EPA Reg No. 2724-473). This is the FPL that was based on the last stamped "Accepted" label, dated January 29, 2001. If we do not receive a copy of the FPL, with a letter indicating so, by 1/10/03 we will deem your application deficient for this reason and we will notify you in writing. You may fax the FPL to my attention at 703-308-7026.

Regards,  
Andrew Bryceland  
Regulatory Action Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention Division  
(703)305-6928



473 bryceland.pd 64243.label.pd

Wellmark International  
1100 East Woodfield Road, Suite 500  
Schaumburg, Illinois 60173  
847 330 5300

**Wellmark**

January 2, 2003

Document Processing Desk (FPL)  
Office of Pesticide Programs 7504C  
U.S. Environmental Protection Agency  
Room 266A Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, Virginia 22202

ATTENTION: Andrew Bryceland, Biopesticides

SUBJECT: FINAL PRINTED LABEL PER YOUR 1/2/03 EMAIL  
ALTOSID® 10% CATTLE PREMIX/EPA REG. NO. 2724-473

Dear Mr. Bryceland:

Per your email to me of January 2, 2003, enclosed is completed EPA Form 8570-1 and a copy of final printed labeling (FPL) for the above product. This FPL is based on the January 29, 2001 EPA stamped approved label and notification of 3/16/2001. Receipt of this FPL will allow you to further process my First Aid amendment submitted November 19, 2002.

If you have any questions, please, call me directly at 847-330-5376 or contact me via email ( [nancy.huebl@wellmarkint.com](mailto:nancy.huebl@wellmarkint.com) ). Thank you for your assistance in this matter.

Yours sincerely,  
WELLMARK INTERNATIONAL



Nancy Huebl  
Regulatory Specialist

enclosure



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

|                                                                                                                                                                                                                               |                                                                                                                                                                                         |                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Wellmark International/2724-473                                                                                                                                                                  | 2. EPA Product Manager<br>S. Reilly                                                                                                                                                     | 3. Proposed Classification<br><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Wellmark International/Altosid 10% Cattle Premix                                                                                                                                                 | PM #<br>Biopesticides                                                                                                                                                                   |                                                                                                                |
| 5. Name and Address of Applicant / Registrant (include ZIP Code)<br>Wellmark International<br>1100 East Woodlief Road, Suite 500<br>Schaumburg, Illinois 60173<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(C)(3) (b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No _____<br>Product Name _____ |                                                                                                                |

## Section - II

|                                                                                |                                                                                                              |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated January 29, 2001 |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application                                                                |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                                              |

Explanation: Use additional page(s) if necessary. (For section I and section II.)

## Section - III

|                                                                                                                                                                                               |                                                                                              |                                                                                                       |                                                                                                                                                                                                                |                                                                                                                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Material This Product Will be Packaged In:                                                                                                                                                 |                                                                                              |                                                                                                       |                                                                                                                                                                                                                | 2. Type of Container                                                                                                                      |  |
| Child-Resistant Packaging<br><br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                                       | Unit Packaging<br><br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | <input type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |                                                                                                                                           |  |
| * Certification must be submitted                                                                                                                                                             |                                                                                              |                                                                                                       |                                                                                                                                                                                                                |                                                                                                                                           |  |
| If *Yes Unit Packaging wgt.                                                                                                                                                                   |                                                                                              | No. per container                                                                                     |                                                                                                                                                                                                                |                                                                                                                                           |  |
| If *Yes Unit Packaging wgt.                                                                                                                                                                   |                                                                                              | No. per container                                                                                     |                                                                                                                                                                                                                |                                                                                                                                           |  |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container                                                                       |                                                                                              | 4. Size(s) Retail Container<br>6, 20 lb                                                               |                                                                                                                                                                                                                | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Label Accompanying Product |  |
| 6. Manner in Which Label is Affixed to Product<br><br><input type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input checked="" type="checkbox"/> Stenciled |                                                                                              | <input type="checkbox"/> Other _____                                                                  |                                                                                                                                                                                                                |                                                                                                                                           |  |

## Section - IV

|                                                                                                                                                                                                                                                                              |  |                                                   |                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------|-----------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                |  |                                                   |                                               |
| Name<br>Nancy Huebl                                                                                                                                                                                                                                                          |  | Title<br>Regulatory Specialist                    |                                               |
|                                                                                                                                                                                                                                                                              |  | Telephone No. (include Area Code)<br>847.330.5376 |                                               |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law. |  |                                                   | 6. Date Application Received<br><br>(Stamped) |
| 2. Signature<br><i>Nancy Huebl</i>                                                                                                                                                                                                                                           |  | 3. Title<br>Regulatory Specialist                 |                                               |
| 4. Typed Name<br>Nancy Huebl                                                                                                                                                                                                                                                 |  | 5. Date<br>02-Jan-03                              |                                               |



# ALTOSID®

## CATTLE CUSTOM BLENDING PREMIX

TO PREVENT THE BREEDING OF HORN FLIES IN  
THE MANURE OF TREATED CATTLE



ACTIVE INGREDIENT:  
S-Methoprene (CAS #65733-16-6) ..... 10.5%  
OTHER INGREDIENTS: ..... 89.5%  
Total: ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

### General Information

ALTOSID® CATTLE PREMIX is a premix which, when fed into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID CATTLE PREMIX is intended for use only in cattle.

### DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### Feeding and Feeding ALTOSID CATTLE PREMIX

ALTOSID CATTLE PREMIX interrupts the development of the horn fly in the manure of treated cattle. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID CATTLE PREMIX may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID CATTLE PREMIX may be fed up to slaughter, and to lactating dairy cows without withholding milk. This product can be used in complete feeds, concentrates, hand feeds, or loose or block mineral supplements.

ALTOSID CATTLE PREMIX is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID CATTLE PREMIX/100 lb body weight/day. The calculations in the chart at right assume a 1000 pound animal as the head weight; see chart for mixing directions.

### Important Note to Feed Mill Operators

- ALTOSID CATTLE PREMIX is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (slut off exhaust systems during ALTOSID CATTLE PREMIX addition).
- Whenever possible, add the ALTOSID CATTLE PREMIX after the addition of the liquid components and blend to homogeneity.

### When and How to Use ALTOSID CATTLE PREMIX

Use ALTOSID CATTLE PREMIX to break the life cycle of the horn fly. When fed to cattle, ALTOSID CATTLE PREMIX passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID CATTLE PREMIX does not affect existing adult flies.

Start feeding ALTOSID CATTLE PREMIX early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID CATTLE PREMIX is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID CATTLE PREMIX, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. A wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID CATTLE PREMIX may be fed up to slaughter and to lactating dairy cows without withholding milk.

| FEED PRODUCT                             | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID CATTLE PREMIX IN SUPPLEMENT mg/lb (%) | ALTOSID CATTLE PREMIX IN FEED mg/lb (%) | GRAMS ALTOSID CATTLE PREMIX/TON OF FEED PRODUCT g/ton |
|------------------------------------------|--------------------|-----------------------------------|-----------------------------------------------|-----------------------------------------|-------------------------------------------------------|
| Complete Feed                            | 2.5 lb/cow         | -                                 | -                                             | 4.3 (0.001)                             | 8.7                                                   |
| Supplement or Premix for Preparing       | -                  | 1:9                               | 44 (0.01)                                     | 4.3 (0.001)                             | 8.7                                                   |
| Complete Feeds                           | -                  | 1:9                               | 87 (0.02)                                     | 4.3 (0.001)                             | 174                                                   |
| Complete Feeds                           | -                  | 1:9                               | 174 (0.04)                                    | 4.3 (0.001)                             | 348                                                   |
| Complete Feeds                           | -                  | 1:9                               | 348 (0.08)                                    | 4.3 (0.001)                             | 696                                                   |
| Complete Feed                            | 3.5 lb/cow         | -                                 | -                                             | 3.2 (0.0007)                            | 6.5                                                   |
| Supplement or Premix for Preparing       | -                  | 1:9                               | 32 (0.007)                                    | 3.2 (0.0007)                            | 6.5                                                   |
| Complete Feeds                           | -                  | 1:9                               | 65 (0.014)                                    | 3.2 (0.0007)                            | 130                                                   |
| Complete Feeds                           | -                  | 1:9                               | 129 (0.028)                                   | 3.2 (0.0007)                            | 260                                                   |
| Complete Feeds                           | -                  | 1:9                               | 258 (0.056)                                   | 3.2 (0.0007)                            | 520                                                   |
| Concentrate Feed with Roughage           | 1.0 lb/cow         | -                                 | -                                             | 11.3 (0.0025)                           | 22.6                                                  |
| Supplement or Premix for Preparing       | -                  | 1:9                               | 113 (0.025)                                   | 11.3 (0.0025)                           | 226                                                   |
| Complete Feeds                           | -                  | 1:9                               | 226 (0.05)                                    | 11.3 (0.0025)                           | 452                                                   |
| Complete Feeds                           | -                  | 1:9                               | 452 (0.10)                                    | 11.3 (0.0025)                           | 904                                                   |
| Complete Feeds                           | -                  | 1:9                               | 904 (0.20)                                    | 11.3 (0.0025)                           | 1808                                                  |
| Supplement for Hand Feeding              | 2.0 lb/head        | -                                 | 57 (0.013)                                    | -                                       | 113                                                   |
| Supplement for Hand Feeding              | 1.5 lb/head        | -                                 | 75 (0.017)                                    | -                                       | 151                                                   |
| Supplement for Hand Feeding              | 1.0 lb/head        | -                                 | 113 (0.025)                                   | -                                       | 226                                                   |
| Supplement for Hand Feeding              | 0.5 lb/head        | -                                 | 226 (0.05)                                    | -                                       | 452                                                   |
| Mineral Mix/Block Molasses Mineral Feeds | 8.0 oz/head        | -                                 | 226 (0.05)                                    | -                                       | 452                                                   |
| Mineral Mix/Block Molasses Mineral Feeds | 4.0 oz/head        | -                                 | 452 (0.10)                                    | -                                       | 904                                                   |
| Mineral Mix/Block Molasses Mineral Feeds | 3.0 oz/head        | -                                 | 603 (0.13)                                    | -                                       | 1206                                                  |
| Mineral Mix/Block Molasses Mineral Feeds | 2.0 oz/head        | -                                 | 904 (0.20)                                    | -                                       | 1808                                                  |
| Mineral Mix/Block Molasses Mineral Feeds | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                    | -                                       | 904                                                   |
| Mineral Mix/Block Molasses Mineral Feeds | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                    | -                                       | 1808                                                  |
| Mineral Mix/Block Molasses Mineral Feeds | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                   | -                                       | 2712                                                  |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in a cool dry place. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at 1-800-347-8272 day or night.

PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

### FIRST AID

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

Wellmark International  
Schaumburg, Illinois 60193

EPA Reg. No. 2724-473  
EPA Est. No. 2724-TX-1

ALTOSID® is a registered trademark of Wellmark International.  
©2001 Wellmark International - Made in USA  
64243

NET WT: 20 LBS (9.1 KG)

Unregistered Trade Dress Logo



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

|                                                                                                                                                                                                                               |                                                                                                                                                                                         |                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Wellmark International/2724-473                                                                                                                                                                  | 2. EPA Product Manager<br>S. Reilly                                                                                                                                                     | 3. Proposed Classification<br><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Wellmark International/Altosid Cattle Premix                                                                                                                                                     | PM #<br>Biopesticides                                                                                                                                                                   |                                                                                                                |
| 5. Name and Address of Applicant / Registrant (Include ZIP Code)<br>Wellmark International<br>1100 East Woodfield Road Suite 500<br>Schaumburg, Illinois 60173<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(C)(3) (b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No _____<br>Product Name _____ |                                                                                                                |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application                                          |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.                                        |

NOTIFICATION

Date Reviewed: 1-4-02

Reviewed By: D Hudson

Explanation: Use additional page(s) if necessary. (For section I and section II.)

Label revision to include additional types of mineral supplements (block and molasses mineral tubs)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

## Section - III

|                                                                                                                                                                                    |                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. Material This Product Will be Packaged In:                                                                                                                                      |                                                                                              |                                                                                                       |                                                                                                                                                                                                                                                       |
| Child-Resistant Packaging<br><br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                            | Unit Packaging<br><br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | 2. Type of Container<br><br><input checked="" type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| * Certification must be submitted<br>If "Yes" Unit Packaging wgt. No. per container<br>6 lb/20 lb 1                                                                                |                                                                                              | If "Yes" Unit Packaging wgt. No. per container<br>_____                                               |                                                                                                                                                                                                                                                       |
| 8. Location of Net Contents Information<br><input type="checkbox"/> Label <input checked="" type="checkbox"/> Container                                                            |                                                                                              | 4. Size(s) Retail Container<br>6 & 20 lbs.                                                            | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Label Accompanying Product                                                                                                             |
| 6. Manner in Which Label is Affixed to Product<br><br><input checked="" type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                                              | <input type="checkbox"/> Other _____                                                                  |                                                                                                                                                                                                                                                       |

## Section - IV

|                                                                                                                                                                                                                                                                              |                                   |                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                |                                   |                                                   |
| Name<br>Nancy Huebl                                                                                                                                                                                                                                                          | Title<br>Regulatory Specialist    | Telephone No. (Include Area Code)<br>847 330 5376 |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law. |                                   | 6. Date Application Received<br><br>(Stamped)     |
| 2. Signature<br><i>Nancy Huebl</i>                                                                                                                                                                                                                                           | 3. Title<br>Regulatory Specialist |                                                   |
| 4. Typed Name<br>Nancy Huebl                                                                                                                                                                                                                                                 | 5. Date<br>March 16, 2001         |                                                   |

NOTIFICATION

Date Reviewed: 1-4-02

Reviewed By: D. Hudson

[ ] indicates optional statements

**ALTOSID® 10% CATTLE PREMIX**

To prevent the breeding of horn flies in the manure of treated cattle

**ACTIVE INGREDIENT:**

S-Methoprene (CAS #65733-16-6)..... 10.5%

**OTHER INGREDIENTS:** ..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

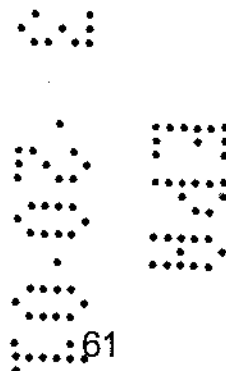
**CAUTION**

See additional precautionary statements

EPA Reg. No. 2724-473

EPA Est. No.

Net Wt.





### General Information

ALTOSID® 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or loose or block mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of **340 mg/100 lb body weight/month** to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day**. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

...

...

62

| FEED PRODUCT                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|--------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| <b>Complete Feed</b>                 | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing   | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
| Complete Feeds                       | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| <b>Complete Feed</b>                 | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing   | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
| Complete Feeds                       | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| <b>Concentrate Fed with Roughage</b> | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing   | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
| Concentrate Feeds                    | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| <b>Supplement for Hand Feeding</b>   | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| <b>Mineral Mix</b>                   | 8.0 oz/head        | -                                 | 226 (0.05)                                        | -                                           | 452                                                        |
| <b>Block</b>                         | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
| <b>Molasses Mineral Tub</b>          | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

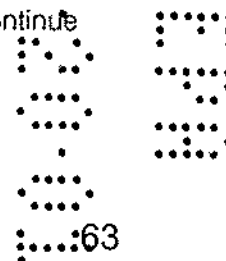
#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.



If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Storage:** Store ALTOSID 10% Cattle Premix in a cool dry place. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at [phone number], day or night.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

##### FIRST AID

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

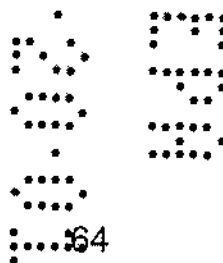
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Bensenville, Schaumburg IL 60173-06

Made in USA



# REGULATORY LABEL DATA SHEET

File Name: Altosid cattle premix notif 301 block tub Data Sheet Date: March 2001  
Product: ALTOSID CATTLE PREMIX EPA Reg #: 2724-473  
Approved: Submitted 3/16/01 Supercedes: 1/29/2001

OVERVIEW: Label submitted to include block and tub mineral supplements and proportional figures (ratio) in table of feed mixing directions

| Page # | Description of Major Changes                                                                                                                 |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 2      | Directions for Use: Blending and Feeding – added to sentence to include additional mineral supplement forms ("loose or block")               |
| 3      | Mixing/Blending table – included "block" and "molasses mineral tub" as additional types of mineral supplements with additional ratioed rates |
| 4      | Address change                                                                                                                               |

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Wellmark

March 16, 2001

Document Processing Desk (NOTIF)  
Office of Pesticide Programs 7504C  
U.S. Environmental Protection Agency  
Room 266A Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, Virginia 22202

ATTENTION: S. Reilly

SUBJECT: NOTIFICATION OF LABEL REVISION PER PRN 98-10  
ALTOSID® CATTLE PREMIX/EPA REG. NO. 2724-473

Dear Ms. Reilly:

Enclosed is completed EPA Form 8570-1 and one copy of revised labeling (red is new text; blue [strikeout] is deleted text) for the above product. The revision involves addition of 2 additional types of mineral supplement forms (blocks and mineral molasses tubs) in blending/mixing directions table and a ratioed rate. This label revision meets the criteria in PRN 98-10, §II, E and M. I have enclosed a self-addressed postcard for notification confirmation.

If you have any questions, please, call me directly at 847/330-5376. Thank you for your assistance in this matter.

Yours sincerely,  
WELLMARK INTERNATIONAL

*Nancy Huebl*

Nancy Huebl  
Regulatory Specialist

enclosure

cc: C. Elmi/J. Richardson  
S. Spaulding/D. Murphy/S. Boutilier

001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

DEC 5 2001

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Steven R. Spaulding  
Wellmark International  
1100 E. Woodfield Road  
Schaumburg, IL 60173

Dear Mr. Spaulding:

Subject: Formulation Amendment Application and Confidential Statement of Formula  
Your Submission Dated March 16, 2001  
EPA Registration No. 2724-473, Altosid 10% Cattle Premix

On the basis of information furnished by the registrant, the above named pesticide is hereby amended under the Federal Insecticide, Fungicide and Rodenticide Act. This action does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect this registration, the Agency will require submission of such data under section 3(c)(2)(B).

This amended registration revises the Basic and Alternate formulations for this product. The revisions change the antioxidant to [REDACTED] instead of [REDACTED].

The Confidential Statement of Formula submitted for the new formulations (amendment) cited above are acceptable and have been placed in the file.

Sincerely,

Sheryl K. Reilly, Ph.D., Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511C)

**INERT INGREDIENT INFORMATION IS NOT INCLUDED**



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

284488

## Application for Pesticide - Section I

|                                                                                                                                                                                                                                |                                                                                                                                                                                            |                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Wellmark International/2724-473                                                                                                                                                                   | 2. EPA Product Manager<br>S. Rellly                                                                                                                                                        | 3. Proposed Classification<br><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Wellmark International/Altosid 10% Cattle Promix                                                                                                                                                  | PM #<br>91/Biopesticides                                                                                                                                                                   |                                                                                                                |
| 5. Name and Address of Applicant / Registrant (Include ZIP Code)<br>Wellmark International<br>1100 East Woodfield Road, Suite 500<br>Schaumburg, Illinois 60173<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(C)(3)<br>(b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No _____<br>Product Name _____ |                                                                                                                |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application                                          |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and section II.)

Amendment for new Alternate Formulation and corrections of typographical errors on the Basic Formulation CSF.

## Section - III

|                                                                                                                      |                                                                                          |                                                                                                                                         |                   |                                                                                                                                                                                                                |                   |                      |  |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|--|
| 1. Material This Product Will be Packaged In:                                                                        |                                                                                          |                                                                                                                                         |                   |                                                                                                                                                                                                                |                   | 2. Type of Container |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                  | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                       |                   | <input type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |                   |                      |  |
| * Certification must be submitted                                                                                    |                                                                                          | If Yes<br>Packaging wgt.                                                                                                                | No. per container | If Yes<br>Packaging wgt.                                                                                                                                                                                       | No. per container |                      |  |
| Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container |                                                                                          | 4. Size(s) Retail Container<br>6, 20 lb                                                                                                 |                   | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Label Accompanying Product                                                                      |                   |                      |  |
| 6. Manner in Which Label is Affixed to Product                                                                       |                                                                                          | <input type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input checked="" type="checkbox"/> Stenciled |                   | <input type="checkbox"/> Other _____                                                                                                                                                                           |                   |                      |  |

## Section - IV

|                                                                                                                                                                                                                                                                              |                                         |                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                |                                         |                                                   |
| Name<br>Steven R. Spaulding                                                                                                                                                                                                                                                  | Title<br>Manager, Regulatory Affairs    | Telephone No. (Include Area Code)<br>847.330.5380 |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law. |                                         | 6. Date Application Received<br><br>(Stamped)     |
| 2. Signature<br>                                                                                                                                                                                                                                                             | 3. Title<br>Manager, Regulatory Affairs |                                                   |
| 4. Typed Name<br>Steven R. Spaulding                                                                                                                                                                                                                                         | 5. Date<br>16-Mar-01                    |                                                   |



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

284488

## Application for Pesticide - Section I

|                                                                                                                    |                                                                                                                                                                                       |                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Company/Product Number                                                                                          | 2. EPA Product Manager                                                                                                                                                                | 3. Proposed Classification<br><input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)                                                                                          | PM#                                                                                                                                                                                   |                                                                                                 |
| 5. Name and Address of Applicant (Include ZIP Code)<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                 |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

## Section - III

|                                                                                                                                                                     |                                                                               |                                                                                        |  |                                                                                                                                   |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1. Material This Product Will Be Packaged In:                                                                                                                       |                                                                               |                                                                                        |  | 2. Type of Container                                                                                                              |                                  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                            | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |  | <input type="checkbox"/> Metal                                                                                                    | <input type="checkbox"/> Plastic |
|                                                                                                                                                                     |                                                                               |                                                                                        |  | <input type="checkbox"/> Glass                                                                                                    | <input type="checkbox"/> Paper   |
| If "Yes" Unit Packaging wgt. _____ No. per container _____                                                                                                          |                                                                               | If "Yes" Package wgt. _____ No. per container _____                                    |  | <input type="checkbox"/> Other (Specify) _____                                                                                    |                                  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container                                                        |                                                                               | 4. Size(s) Retail Container                                                            |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |                                  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                               | <input type="checkbox"/> Other _____                                                   |  |                                                                                                                                   |                                  |

## Section - IV

|                                                                                                                                                                                                                                                                                    |  |          |  |                                   |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-----------------------------------|-----------------------------------------------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                      |  |          |  |                                   |                                                                                         |
| Name                                                                                                                                                                                                                                                                               |  | Title    |  | Telephone No. (Include Area Code) |                                                                                         |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |          |  |                                   | 6. Date Application Received<br><br>(Stamped)<br><br><br><br><br><br><br><br><br><br>69 |
| 2. Signature                                                                                                                                                                                                                                                                       |  | 3. Title |  |                                   |                                                                                         |
| 4. Typed Name                                                                                                                                                                                                                                                                      |  | 5. Date  |  |                                   |                                                                                         |



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, II, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.

Wellmark

March 16, 2001

Document Processing Desk (AMEND)  
Office of Pesticide Programs (H7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

EXPEDITED REVIEW

Attn: Dr. Sheryl Reilly (PM 91)  
Biopesticide and Pollution Prevention Division

Subject: Altosid 10% Cattle Premix Formulation Amendment  
EPA Reg. No. 2724-473  
Corrected Basic Formulation Confidential Statement of Formula (CSF) &  
Submission of New Alternate Formulation CSF.

Dear Dr. Reilly:

This amendment to the Altosid 10% Cattle Premix registration is being submitted to correct errors discovered on the Basic Formulation CSF and to submit a new Alternate Formulation CSF containing the antioxidant [REDACTED]. These changes are identical to those proposed in a formulation amendment submitted to the Agency on February 8, 2001 for Altosid CP-10 (EPA Reg. No. 2724-367). Altosid CP-10 and Altosid 10% Cattle Premix are identical formulations containing 10.5% of the active ingredient S-Methoprene; however, the labels are different in that Altosid CP-10 is a Manufacturing Use Product (MUP) and Altosid 10% Cattle Premix is an End-Use Product (EUP). Details concerning the changes to the CSF are outlined as follows:

Corrected Basic Formulation CSF

- (a) change in Wellmark International address.
- (b) correction in [REDACTED]
- (c) correction in upper and lower certified limits for [REDACTED] respectively.

New Alternate Formulation CSF

- (a) [REDACTED] is specified as an alternative antioxidant for [REDACTED] at an equivalent % by weight of [REDACTED]
- (b) A different grade of [REDACTED] is designated in the alternate formulation which has the same CAS# as [REDACTED] in the basic formulation.

This amendment includes the following documentation:

1. Application for Pesticide Amendment - EPA Form 8570
2. Corrected Basic Formulation CSF (2 copies).
3. New Alternate Formulation CSF (2 copies).

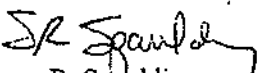
INERT INGREDIENT INFORMATION IS NOT INCLUDED

71

Please replace the CSF dated January 18, 2000 in your files with those included with this submission. These CSF changes do not require any changes to the product labeling. Since only minor corrections were made on the Basic Formulation CSF and there are only minor differences in the Alternate Formulation CSF, I believe this minor formulation amendment qualifies for an expedited review.

Please contact me at (847) 330-5380 if you have any questions.

Sincerely yours,

  
Steven R. Spaulding  
Manager, Regulatory Affairs

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JAN 29 2001

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Steven R. Spaulding  
Wellmark International  
1000 Tower Lane, Suite 245  
Bensenville IL 60106

Dear Mr. Spaulding:

Subject: Formulation Amendment Application and Confidential Statement of Formula  
Your Submission Dated February 18, 2000  
EPA Registration No. 2724-473, ALTOSID® 10% Cattle Premix

On the basis of information furnished by the registrant, the above named pesticide is hereby amended under the Federal Insecticide, Fungicide and Rodenticide Act. This action does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect this registration, the Agency will require submission of such data under section 3(c)(2)(B).

This amended registration allows for the substitution of S-Methoprene Technical (CAS #65733-16-6), EPA Reg. No. 2724-442, for Methoprene Technical (CAS #40596-69-8), EPA Reg. No. 2724-441, as the active ingredient in the Formulation Intermediate product, Altosid CP-10 (EPA Reg. No. 2724-367) used to formulate this product. No other ingredient changes have been made.

The Confidential Statement of Formula submitted for the new formulation (amendment) cited above is acceptable and has been placed in the file. In addition, a stamped copy of your new label is enclosed.

Sincerely,

Janet L. Andersen, Ph.D.  
Director  
Biopesticides and Pollution  
Prevention Division (7511C)

Enclosure

[ ] indicates optional statements

**ALTOSID® 10% CATTLE PREMIX**

To prevent the breeding of horn flies in the manure of treated cattle

**ACTIVE INGREDIENT:**

S-Methoprene (CAS #65733-16-6) ..... 10.5%

**OTHER INGREDIENTS:** ..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

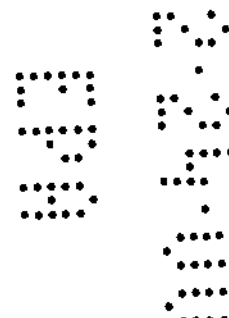
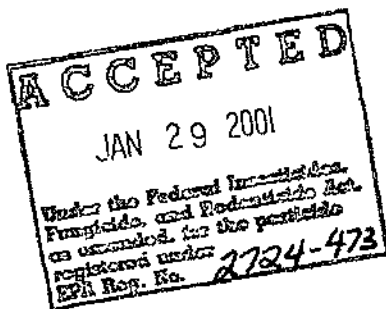
**CAUTION**

See additional precautionary statements

EPA Reg. No. 2724-473

Net Wt.

EPA Est. No.



### General Information

ALTOSID® 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

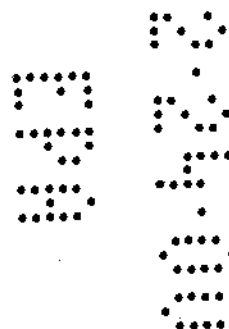
#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of **340 mg/100 lb body weight/month** to achieve horn fly control. This rate is equal to **11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day**. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:



| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### STORAGE AND DISPOSAL

**Storage:** Store ALTOSID 10% Cattle Premix in a cool dry place. Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at [phone number], day or night.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

##### FIRST AID

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

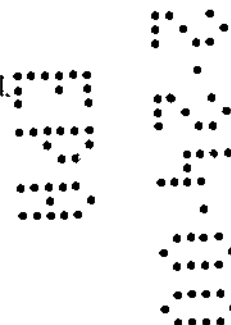
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Bensenville IL 60106

Made in USA





Wellmark International  
1000 Tower Lane, Suite 245  
Bensenville, Illinois 60106  
630 227 6000

Wellmark

February 22, 2000

Document Processing Desk (AMEND)  
Office of Pesticide Programs (H7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Attn: Dr. Janet Anderson (PM 90)  
Biopesticide and Pollution Prevention Division

Subject: Formulation Amendments to Convert End-Use Products Containing R/S-  
Methoprene to S-Methoprene.  
Altosid CP-10 - EPA Reg. No. 2724-367  
Zoecon Granular IGR Cattle Supplement - EPA Reg. No. 2724-372  
Zoecon Block IGR Cattle Supplement - EPA Reg. No. 2724-373  
Altosid Briquets - EPA Reg. No. 2724-375  
Kabat Tobacco Protector - EPA Reg. No. 2724-377  
Kabat Tobacco Protector Concentrate - EPA Reg. No. 2724-384  
Altosid 10% Cattle Premix - EPA Reg. No. 2724-473  
Altosid Cattle Concentrate - EPA Reg. No. 2724-474

Dear Dr. Anderson:

Please find enclosed formulation amendment packages required to convert the active ingredient in the eight end-use products cited above from (R/S)-Methoprene to (S)-Methoprene. Table 1 lists EPA Registered Name, EPA Reg. No., Active Ingredient Content and Confidential Statements of Formula (CSF's) for each of the products covered by this submission package. This changeover to (S)-Methoprene is required as Wellmark rationalizes future manufacturing requirements and phases out (R/S)-Methoprene production. These amendments were discussed with Mr. W. Nelson on several occasions and it was agreed that the registration numbers would remain the same for the amended end-use products since only label and CSF changes related to the conversion from (R/S)- to (S)-Methoprene are required. No other changes in the inert ingredient components or labeling for these products are necessary.

The rationale for these amendments is based on the fact that the active ingredients (R/S)-Methoprene (EPA Reg. No. 2724-441) and (S)-Methoprene (EPA Reg. No. 2724-442) behave essentially the same in end-use formulations with respect to safety and efficacy. The (S)-enantiomer of methoprene has been determined to be the biologically active form and the (R)-enantiomer is essentially an inert impurity. Enantiomers such as these are known to have identical physicochemical properties. Therefore, we propose that the level of (S)-Methoprene remain the same in the amended formulations as the levels of (R/S)-Methoprene in the current formulas.

Acute toxicity studies conducted with the racemic mixture and pure (S)-enantiomer have shown the same toxicological properties. Based upon our knowledge of methoprene metabolic pathways, both enantiomers will be metabolized and degraded into simple molecules such as acetate and carbon dioxide which is re-incorporated into endogenous products such as cholesterol. Since the physicochemical properties and metabolic pathways are the same for both enantiomers, deposition in tissues and subsequent residue profiles as well as depletion from the environment will be equivalent. Therefore, all tolerances (40 CFR 180.359 and 40 CFR 186.4150) and exemptions from tolerances (40 CFR 180.1033 and 40 CFR 185.4150) established for (R/S)-Methoprene are applicable to (S)-Methoprene as well. A Petition for a Generic Tolerance Exemption for (S)-Methoprene is currently under review by the Agency.

A precedent for bridging chemistry, toxicology, residue and efficacy data from (R/S)- to (S)-Methoprene was established when the (S)-Methoprene Bolus for Beef and Dairy Cattle (EPA Reg. No. 2724-356) was registered in 1986 based on data submitted in support of the (R/S)-Methoprene version of the bolus (EPA Reg. No. 2724-330). In addition, the Agency granted a tolerance exemption waiver for (S)-Methoprene in May 1997 so that Wellmark could compare the field efficacy of (S)- and (R/S)-Methoprene for controlling horn flies around cattle. Results from these trials confirmed the biological equivalence of (S)- and (R/S)-Methoprene cattle supplements against horn flies.

Each of the formulation amendments included with this submission package contains the following:

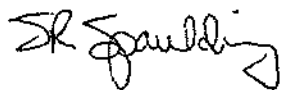
1. Application for Pesticide Amendment – EPA Form 8570
2. Confidential Statement of Formula (CSF; 2 copies)
3. Wellmark Regulatory Label Data Sheet (1 copy describing product specific label changes with changes highlighted in color on the label).
4. Amended Labels (5 copies; 1 copy for EPA stamping).

We anticipate stocks of (R/S)-Methoprene will be depleted by December 2000 therefore approval of these amended formulations is crucial by then. We also would require at least 12 months following approval of the (S)-Methoprene formulations to complete all label and packaging component transitions as well as sell-through of existing (R/S)-Methoprene product inventories.

Moorman's Manufacturing Company is the registrant of seven (R/S)-Methoprene cattle supplement products. We have been in contact with Dr. A. French at Moorman's concerning the transition from (R/S)- to (S)-Methoprene and we have agreed to submit all of the formulation amendments from both companies concurrently on the same day to facilitate Agency Review.

Please contact me at (630) 227-6074 if you have any questions.

Sincerely yours,



Steven R. Spaulding  
Manager, Regulatory Affairs

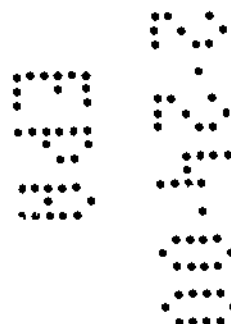


TABLE 1  
FORMULATION AMENDMENTS TO CONVERT (R/S)-METHOPRENE TO  
(S)-METHOPRENE END-USE PRODUCTS

| EPA REG. NO. | EPA REGISTERED NAME                   | ACTIVE INGREDIENT (AI) CONTENT | FORMULATION(S)                                                |
|--------------|---------------------------------------|--------------------------------|---------------------------------------------------------------|
| 2724-367     | Altosid CP-10                         | 10.5%                          | Basic Only                                                    |
| 2724-372     | Zoecon Granular IGR Cattle Supplement | 0.02%                          | Basic, Alternate A, Alternate B, Alternate C, and Alternate D |
| 2724-373     | Zoecon Block IGR Cattle Supplement    | 0.02                           | Basic, Alternate A and Alternate B                            |
| 2724-375     | Altosid Briquets                      | 8.6%                           | Basic Only                                                    |
| 2724-377     | Kabat Tobacco Protector               | 5.2%                           | Basic Only                                                    |
| 2724-384     | Kabat Tobacco Protector Concentrate   | 80.0%                          | Basic Only                                                    |
| 2724-473     | Altosid 10% Cattle Premix             | 10.5%                          | Basic Only                                                    |
| 2724-474     | Altosid Cattle Concentrate            | 0.4%                           | Basic and alternate formulation                               |

\* Nominal concentrations for the ai on the CSF and label are the same for the proposed amended (S)-Methoprene and currently registered (R/S)-Methoprene product

525



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

271419

## Application for Pesticide - Section I

|                                                                                                                                              |                                                                                                                                                                                        |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Wellmark International/2724-473                                                                                 | 2. EPA Product Manager<br>S. Reilly                                                                                                                                                    | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Wellmark International/Altosid Cattle Premix                                                                    | PM #<br>Biopesticides                                                                                                                                                                  |                                                                                                            |
| 5. Name and Address of Applicant / Registrant (Include ZIP Code)<br>Wellmark International<br>1000 Tower Lane<br>Bensenville, Illinois 60106 | 6. Expedited Review. In accordance with FIFRA Section 3(C)(3)<br>(b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No _____<br>Product Name _____ |                                                                                                            |
| <input type="checkbox"/> Check if this is a new address                                                                                      |                                                                                                                                                                                        |                                                                                                            |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Amendment - Explain below                  | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application                                          |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and section II.)  
Amendment to change product active ingredient from R/S to S-Methoprene

## Section - III

|                                                                                                                                                                                |                                                                                          |                                                                                                   |                              |                                                                                                                                           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Material This Product Will be Packaged In:                                                                                                                                  |                                                                                          |                                                                                                   |                              | 2. Type of Container                                                                                                                      |  |
| Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                                  | Unit Packaging<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                              | <input checked="" type="checkbox"/> Metal                                                                                                 |  |
|                                                                                                                                                                                | If "Yes" Unit Packaging wgt.<br>6 LB                                                     | No. per container<br>1                                                                            | If "Yes" Unit Packaging wgt. | <input checked="" type="checkbox"/> Plastic                                                                                               |  |
|                                                                                                                                                                                |                                                                                          |                                                                                                   | No. per container            | <input type="checkbox"/> Glass                                                                                                            |  |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                              | <input checked="" type="checkbox"/> Paper                                                                                                 |  |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                              | <input type="checkbox"/> Other (Specify) _____                                                                                            |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input checked="" type="checkbox"/> Container                                                        |                                                                                          | 4. Size(s) Retail Container                                                                       |                              | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Label Accompanying Product |  |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                                          |                                                                                                   |                              | <input type="checkbox"/> Other _____                                                                                                      |  |

## Section - IV

|                                                                                                                                                                                                                                                                              |  |                                         |  |                                                     |                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|-----------------------------------------------------|-------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                |  |                                         |  |                                                     |                                           |
| Name<br>Steven R. Spaulding                                                                                                                                                                                                                                                  |  | Title<br>Manager, Regulatory Affairs    |  | Telephone No. (Include Area Code)<br>(630) 227-6074 |                                           |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law. |  |                                         |  |                                                     | 6. Date Application Received<br>(Stamped) |
| 2. Signature<br>                                                                                                                                                                                                                                                             |  | 3. Title<br>Manager, Regulatory Affairs |  |                                                     |                                           |
| 4. Typed Name<br>Steven R. Spaulding                                                                                                                                                                                                                                         |  | 5. Date<br>February 18, 2000            |  |                                                     |                                           |



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

271419

## Application for Pesticide - Section I

|                                                                                                                    |                                                                                                                                                                                      |                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Company/Product Number                                                                                          | 2. EPA Product Manager                                                                                                                                                               | 3. Proposed Classification<br><input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)                                                                                          | PM#                                                                                                                                                                                  |                                                                                                 |
| 5. Name and Address of Applicant (Include ZIP Code)<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                 |

## Section - II

|                                                                                           |                                                                                        |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                                       | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input checked="" type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                                    | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

## Section - III

|                                                                                                                                                                     |                                                                               |                                                                                        |  |                                                                                                                                                                                          |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Material This Product Will Be Packaged In:                                                                                                                       |                                                                               |                                                                                        |  | 2. Type of Container                                                                                                                                                                     |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No                                                                           | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |  | <input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |  |
| If "Yes" Unit Packaging wgt. _____ No. per container _____                                                                                                          |                                                                               | If "Yes" Package wgt. _____ No. per container _____                                    |  |                                                                                                                                                                                          |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container                                                        |                                                                               | 4. Size(s) Retail Container                                                            |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product                                                        |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                               |                                                                                        |  | <input type="checkbox"/> Other _____                                                                                                                                                     |  |

## Section - IV

|                                                                                                                                                                                                                                                                             |          |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                               |          |                                               |
| Name                                                                                                                                                                                                                                                                        | Title    | Telephone No. (Include Area Code)             |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |          | 6. Date Application Received<br>(Stamped)<br> |
| 2. Signature                                                                                                                                                                                                                                                                | 3. Title |                                               |
| 4. Typed Name                                                                                                                                                                                                                                                               | 5. Date  |                                               |

82

## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-28). [If not exempted by 40 CFR 152.61 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

Block A - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. Company/Product Number - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. EPA Product Manager - If known, fill in the name and PM number of the EPA Product Manager.
3. Proposed Classification - Specify the proposed classification of this product.
4. Product Name - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. Name and Address of Applicant - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. Expedited Review - FIFRA section 3 (d) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. Subject of submission - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. Type of Packaging - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. Type of Retail Container - Indicate type of container in which product will be marketed.
3. Location of Net Contents - Indicate the location of the net contents information for your product.
4. Size(s) of Retail Container - Specify the net contents of all retail containers for your product.
5. Location of Use Directions - Indicate the location of the use directions for your product.
6. Manner in which label is affixed to product - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory
6. EPA Use Only.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 22 1997

Mr. Steven R. Spaulding  
Wellmark International  
1000 Tower Lane, Suite 245  
Bensenville, IL 60106

Dear Mr. Spaulding:

Subject: METHOPRENE REREGISTRATION  
Label Submitted for Methoprene reregistration Change  
Sandoz to Wellmark International  
Altosid 10% Cattle Premix  
EPA REG. NO. 2724-473  
Your submission of September 4, 1997

The amendment referred to above, submitted in connection with reregistration under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy of the labeling is enclosed for your records.

Sincerely,

*Janet L. Andersen*  
Janet L. Andersen, Ph. D., Director  
Biopesticides and Pollution Prevention  
Division (7511W)

Wnelson:09/17/97:308-8682:epa no.2724-473:methoprene STD

| CONCURRENCES |         |         |  |  |  |  |    |
|--------------|---------|---------|--|--|--|--|----|
| SYMBOL       | 7511W   | 7511W   |  |  |  |  |    |
| SURNAME      | Nelson  | Nelson  |  |  |  |  |    |
| DATE         | 9/23/97 | 9/23/97 |  |  |  |  | 84 |

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**Active Ingredient:**

Methoprene (Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate) ..... 10.5%

Inert Ingredients: ..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

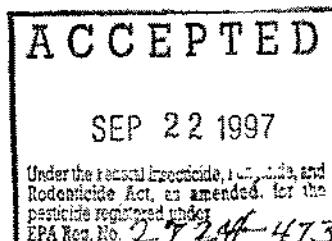
**CAUTION**

See additional precautionary statements

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:





#### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                       | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                      | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
| Complete Feeds                     | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                    | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                    | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                      | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
| Complete Feeds                     | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                    | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                    | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage      | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
| Concentrate Feeds                  | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                    | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                    | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding        | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                    | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                    | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                    | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                        | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                    | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                    | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                    | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                    | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                    | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Bensenville IL 60106

Made in USA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 22 1997

Mr. Steven R. Spaulding  
Wellmark International  
1000 Tower Lane, Suite 245  
Bensenville, IL 60106

Dear Mr. Spaulding:

Subject: METHOPRENE REREGISTRATION  
Label Submitted for Methoprene reregistration Change  
Sandoz to Wellmark International  
Altosid 10% Cattle Premix  
EPA REG. NO. 2724-473  
Your submission of September 4, 1997

The amendment referred to above, submitted in connection with reregistration under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy of the labeling is enclosed for your records.

Sincerely,

*Janet L. Andersen*  
Janet L. Andersen, Ph. D., Director  
Biopesticides and Pollution Prevention  
Division (7511W)

Wnelson:09/17/97:308-8682:epa no.2724-473:methoprene STD

| CONCURRENCES |         |         |  |  |  |  |    |
|--------------|---------|---------|--|--|--|--|----|
| SYMBOL       | 7511W   | 7811W   |  |  |  |  |    |
| SURNAME      | WELSON  | WELSON  |  |  |  |  |    |
| DATE         | 9/23/97 | 9/23/97 |  |  |  |  | 90 |

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**Active Ingredient:**

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Inert Ingredients: ..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

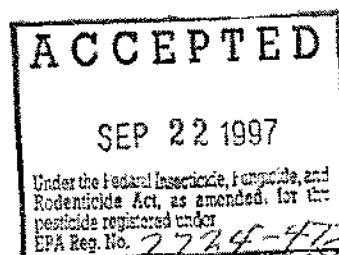
**CAUTION**

See additional precautionary statements

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



### **General Information**

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### **Blending and Feeding ALTOSID 10% Cattle Premix**

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

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| FEED PRODUCT                       | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                      | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
| Complete Feeds                     | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                    | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                    | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 695                                                        |
| Complete Feed                      | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
| Complete Feeds                     | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                    | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                    | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage      | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
| Concentrate Feeds                  | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                    | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                    | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding        | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                    | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                    | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                    | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                        | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                    | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                    | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                    | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                    | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                    | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.



If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**  
(Hazards to Humans and Domestic Animals)  
**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.  
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Bensenville IL 60106

Made in USA

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**Active Ingredient:**

Methoprene [Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10.5%

Inert Ingredients: ..... 89.5%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

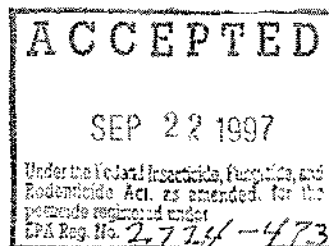
**CAUTION**

See additional precautionary statements

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



#### **General Information**

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### **Blending and Feeding ALTOSID 10% Cattle Premix**

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 87                                                         |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 65                                                         |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.058)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 226                                                        |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1208                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

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ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International.

Wellmark International  
Bensenville IL 60106

Made in USA



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
☒ Other

OPP Identifier Number

257349

## Application for Pesticide - Section I

|                                                                                                                                                                                                |                                                                                                                                                                                     |                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Wellmark International/2724-473                                                                                                                                   | 2. EPA Product Manager<br>J. Anderson                                                                                                                                               | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Wellmark International/Altosid 10% Cattle Premix                                                                                                                  | PM#<br>90                                                                                                                                                                           |                                                                                                            |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Wellmark International<br>1000 Tower Lane Suite 245<br>Bensenville, IL 60106<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                            |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                         | <input checked="" type="checkbox"/> Other - Explain below.                             |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Application for reregistration

## Section - III

|                                                                                                                                                                                           |                                                                                          |                                                                                                   |                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Material This Product Will Be Packaged In:                                                                                                                                             |                                                                                          |                                                                                                   |                                                                                                                                                                                                                                        |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input checked="" type="checkbox"/> No                                                                                      | Unit Packaging<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | 2. Type of Container<br><input checked="" type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| * Certification must be submitted                                                                                                                                                         |                                                                                          | If "Yes" Unit Packaging wgt.<br>6 lb                                                              | No. per container<br>1                                                                                                                                                                                                                 |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container                                                        |                                                                                          | 4. Size(s) Retail Container<br>6 lb                                                               | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product                                                                                           |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                                          | <input type="checkbox"/> Other _____                                                              |                                                                                                                                                                                                                                        |

## Section - IV

|                                                                                                                                                                                                                                                                             |                                         |                                                   |                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------|--------------------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                               |                                         |                                                   |                                                              |
| Name<br>Steven R. Spaulding                                                                                                                                                                                                                                                 | Title<br>Manager, Regulatory Affairs    | Telephone No. (Include Area Code)<br>630-227-6074 |                                                              |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |                                         |                                                   | 6. Date Application Received<br>(Stamped)<br><br><br><br>101 |
| 2. Signature<br>                                                                                                                                                                                                                                                            | 3. Title<br>Manager, Regulatory Affairs |                                                   |                                                              |
| 4. Typed Name<br>Steven R. Spaulding                                                                                                                                                                                                                                        | 5. Date<br>September 4, 1997            |                                                   |                                                              |



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.

| METHOPRENE REREGISTRATION PRODUCT OVERVIEW<br>September 5, 1997         |                                  |                                                                         |                |                |      |
|-------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------|----------------|----------------|------|
| PRODUCT                                                                 | STAMPED LABEL                    | NOMINAL*                                                                | PRN 96-6       | NAME CHANGE    | CSF  |
| 2724-401<br>Zoecon RF-299 RTU Carpet Pump Spray                         | last stamped label<br>12/16/91   | meth.<br>0.007% to<br>0.010%<br>permethrin<br>0.25% to<br>0.28%<br>9/97 | NA             | Submit<br>9/97 | 9/97 |
| 2724-420<br>Zoecon RF-329 Ant Growth Regulator                          | Don't have copy                  | 4.8% to 4.9%<br>9/97                                                    | NA             | Submit<br>9/97 | 9/97 |
| 2724-426<br>Zoecon RF-372 Collar                                        | last stamped label<br>9/21/94    | Yes                                                                     | Submit<br>9/97 | Submit<br>9/97 | 9/97 |
| 2724-427<br>Zoecon RF-342 Emulsifiable Concentrate for Tobacco (Dianex) | last stamped label<br>12/90      | 32.8% to<br>33.6%<br>9/97                                               | NA             | Submit<br>9/97 | 9/97 |
| 2724-441<br>Zoecon Methoprene Technical (RS)                            | last stamped label<br>4/5/93     | 90% to 94%<br>9/97                                                      | NA             | Submit<br>9/97 | 9/97 |
| 2724-452<br>Apex 5E (RS)                                                | last stamped label<br>6/1/94/WPS | 65.7% to<br>67%<br>9/97                                                 | NA             | Submit<br>9/97 | 9/97 |
| 2724-460<br>Zoecon 9207 Collar                                          | last stamped label<br>4/5/94     | 2% to 2.1%<br>9/97                                                      | Submit<br>9/97 | Submit<br>9/97 | 9/97 |
| 55947-94 NEW: 2724-477<br>Diacon (RS)                                   | last stamped label<br>7/6/88     | 65.7% to<br>67%<br>9/97                                                 | NA             | Submit<br>9/97 | 9/97 |
| Reregistration - Recently Approved - First Submission                   |                                  |                                                                         |                |                |      |
| 2724-471<br>Methoprene/Chlorpyrifos Combination Collar for Dogs         | 3/10/97                          | Yes                                                                     | Submit<br>9/97 | Submit<br>9/97 | 9/97 |
| 2724-473<br>Altosid 10% Cattle Premix                                   | 5/5/97                           | Yes                                                                     | NA             | Submit<br>9/97 | 9/97 |

\* Values shown represent a change to nominal concentration for methoprene ai. Changes to other ai's are noted by name or abbreviation (PBO, permethrin)

## REGULATORY LABEL DATA SHEET

**File Name:** PALCAPRA. 97b      **Data Sheet Date:** August 1997  
**Product:** ALTOSID 10% CATTLE      **EPA Reg #:** 2724-473  
PREMIX  
**Approved:**      **Supersedes:** 5/5/97

**OVERVIEW:** Label submitted for methoprene reregistration, name/address change Sandoz to Wellmark

| Page # | Description of Major Changes                                                             |
|--------|------------------------------------------------------------------------------------------|
| 4      | Revised reference for contact phone number from Sandoz to Wellmark                       |
| 5      | Trademark reference revised Sandoz to Wellmark<br>Name/address change Sandoz to Wellmark |
|        |                                                                                          |

REGULATORY: Steve Spaulding

MARKETING:

EPA PRODUCT MANAGER: Janet Anderson/W. Nelson Team 90

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

**Active Ingredient:**

Methoprene [Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10.5%

Inert Ingredients: ..... 89.5%  
Total 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:

#### **General Information**

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### **Blending and Feeding ALTOSID 10% Cattle Premix**

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 228                                                        |
|                                                      | -                  | 1:19                              | 228 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1208                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Wellmark International Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

**(Hazards to Humans and Domestic Animals)**

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® 10% Cattle Premix is a registered trademark of Wellmark International Sandoz-Ltd.

Wellmark International  
Bensenville IL 60106  
Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA



**SANDOZ AGRO, INC.**

1300 EAST TOUHY AVENUE, DES PLAINES, ILLINOIS 60018-3300



**CORPORATE HEADQUARTERS**

TEL 847.699.1616

June 6, 1997

Document Processing Desk (NOTIF)  
Office of Pesticide Programs H7504C  
U.S. Environmental Protection Agency  
Room 266A Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, Virginia 22202

ATTENTION: Janet Anderson/Director, PM 90

SUBJECT: NOTIFICATION OF ALTERNATE BRAND NAME/  
SUBMISSION OF FINAL PRINTED LABEL (10/21/96)  
FOR ALTOSID 10% CATTLE PREMIX/EPA REG. NO. 2724-473

Dear Ms. Anderson:

Enclosed is completed EPA Form 8570-1 and five (5) copies of final printed labeling for ALTOSID 10% Cattle Premix/EPA Reg. No. 2724-473, per your October 21, 1996, Notice of Pesticide Registration form. We have added the EPA Reg. No. (473)(highlighted). This letter also should serve as notification of the alternate brand name, "ALTOSID® Cattle Custom Blending Premix".

If you have any questions or if I can provide any further assistance, please, call me directly at 630/227-6017. Thank you for your assistance in this matter.

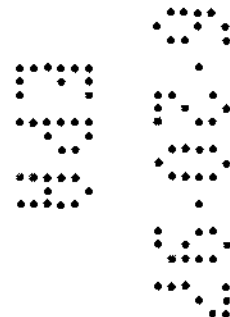
Yours sincerely,  
SANDOZ AGRO, INC.

A handwritten signature in cursive script that reads 'Nancy Huebl'.

Nancy Huebl  
Label Coordinator

enclosure

cc: S. Spaulding/C. Elmi



110  
JUN 25 1997  
BPPD



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

256637

## Application for Pesticide - Section I

|                                                                                                                                                                                        |                                                                                                                                                                                     |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>Sandoz Agro, Inc./2724-473                                                                                                                                | 2. EPA Product Manager<br>J. Anderson                                                                                                                                               | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Sandoz Agro, Inc./ALTOSID 10% Cattle Premix                                                                                                               | PM#<br>90                                                                                                                                                                           |                                                                                                            |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Sandoz Agro, Inc.<br>1300 East Touhy Avenue<br>Oes Plaines, IL 60018<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                            |

## Section - II

|                                                                                |                                                                                                               |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input checked="" type="checkbox"/> Final printed labels in response to 10/21/96<br>Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                                                |
| <input type="checkbox"/> Notification - Explain below.                         | <input checked="" type="checkbox"/> Other - Explain below.                                                    |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of alternate brand name as follows  
ALTOSID Cattle Custom Blending Premix

## Section - III

|                                                                                                                                                                                |                                                                                          |                                                                                                   |                     |                                                                                                                                              |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 1. Material This Product Will Be Packaged In:                                                                                                                                  |                                                                                          |                                                                                                   |                     | 2. Type of Container                                                                                                                         |                         |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                            | Unit Packaging<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                     | <input checked="" type="checkbox"/> Metal                                                                                                    |                         |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                     | <input checked="" type="checkbox"/> Plastic                                                                                                  |                         |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                     | <input type="checkbox"/> Glass                                                                                                               |                         |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                     | <input checked="" type="checkbox"/> Paper                                                                                                    |                         |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                     | Other (Specify) _____                                                                                                                        |                         |
| * Certification must be submitted                                                                                                                                              |                                                                                          | If "Yes" Unit Packaging wgt. 6 lb                                                                 | No. per container 1 | If "Yes" Package wgt. _____                                                                                                                  | No. per container _____ |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container                                             |                                                                                          | 4. Size(s) Retail Container<br>6 lb                                                               |                     | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |                         |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                                          | <input type="checkbox"/> Other _____                                                              |                     |                                                                                                                                              |                         |

## Section - IV

|                                                                                                                                                                                                                                                                                |                                          |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                                  |                                          |                                                                                   |
| Name<br>Nancy Huebl                                                                                                                                                                                                                                                            | Title<br>Regulatory Label Coordinator    | Telephone No. (Include Area Code)<br>630-227-6017                                 |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.<br>I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |                                          | 8. Date Application Received (Stamped)<br><br><br><br><br><br><br><br><br><br>111 |
| 2. Signature<br>Nancy Huebl                                                                                                                                                                                                                                                    | 3. Title<br>Regulatory Label Coordinator |                                                                                   |
| 4. Typed Name<br>Nancy Huebl                                                                                                                                                                                                                                                   | 5. Date<br>June 9, 1997                  |                                                                                   |

## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "media", reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.

## REGULATORY LABEL DATA SHEET

**File Name:** AALCAPRA.96A

**Data Sheet Date:**

November 1996

**Product:** ALTOSID 10% CATTLE  
PREMIX

**EPA Reg #:**

2724-473

**Approved:** 10/21/96

**Supercedes:**

New Registration

OVERVIEW: EPA-APPROVED LABEL: ONLY COMMENT IS TO ADD REGISTRATION NUMBER 2724-473

| Page # | Description of Major Changes |
|--------|------------------------------|
|        |                              |
|        |                              |
|        |                              |

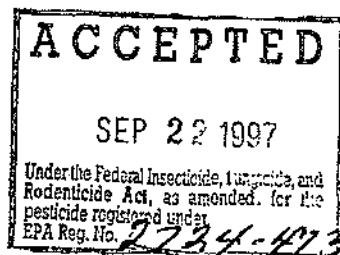
REGULATORY: Steve Spaulding

QUALITY ASSURANCE:

PRODUCT DEVELOPMENT:

MARKETING:

EPA PRODUCT MANAGER: Janet Anderson



[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10%

Inert Ingredients:..... 90%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

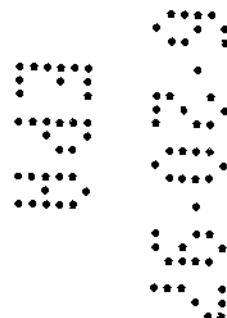
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



#### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

25  
115

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
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|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
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|                                                      | -                  | 1:19                              | 228 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 150                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

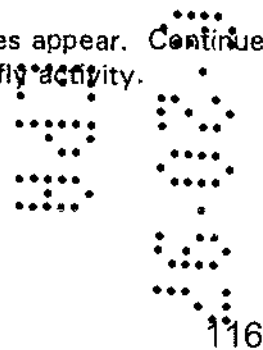
#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.



If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

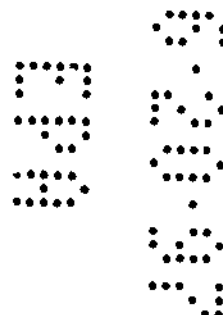
#### STORAGE AND DISPOSAL

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.





## **PRECAUTIONARY STATEMENTS**

**(Hazards to Humans and Domestic Animals)**

### **CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

## **STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

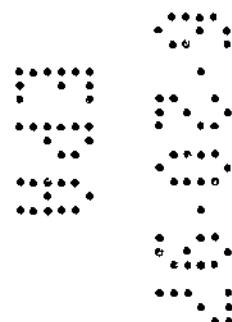
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA



## REGULATORY LABEL DATA SHEET

**File Name:** AALCAPRA.96A      **Data Sheet Date:** November 1996  
**Product:** ALTOSID 10% CATTLE      **EPA Reg #:** 2724-473  
PREMIX  
**Approved:** 10/21/96      **Supersedes:** New Registration

OVERVIEW: EPA-APPROVED LABEL: ONLY COMMENT IS TO ADD REGISTRATION NUMBER 2724-473

| Page # | Description of Major Changes |
|--------|------------------------------|
|        |                              |
|        |                              |
|        |                              |

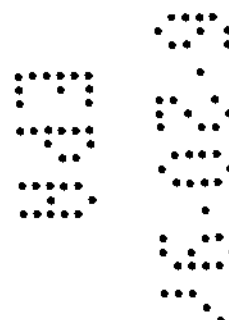
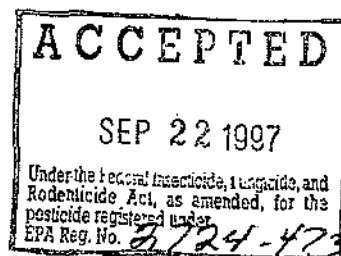
REGULATORY: Steve Spaulding

QUALITY ASSURANCE:

PRODUCT DEVELOPMENT:

MARKETING:

EPA PRODUCT MANAGER: Janet Anderson



[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl [E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10%

Inert Ingredients: ..... 90%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

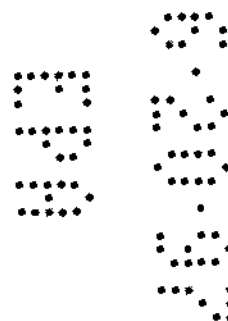
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

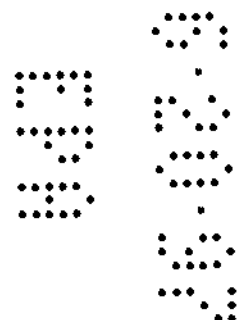
#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:



| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 228                                                        |
|                                                      | -                  | 1:19                              | 228 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 803 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

### When and How to Use ALTOSID 10% Cattle Premix

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Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

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ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

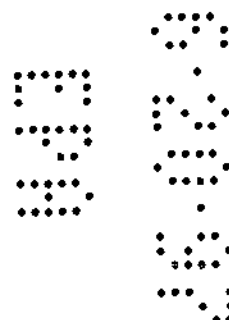
#### STORAGE AND DISPOSAL

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.



## **PRECAUTIONARY STATEMENTS**

**(Hazards to Humans and Domestic Animals)**

### **CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

## **STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

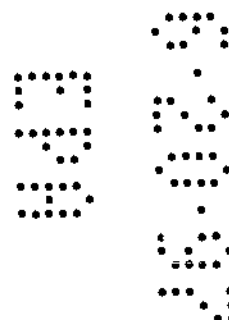
**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

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ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA



939



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY - 5 1997

*Handwritten:* 2464/655  
17/2

Mr. Steven R. Spaulding  
Sandoz Agro, Inc.  
1300 E. Touhy Avenue  
Des Plaines, IL 60018

Dear Mr. Spaulding:

Subject: ALTOSID 10% Cattle Premix  
(Labeling approval associated with R. E. D.)  
EPA Reg. No.: 2724-473  
As per your submission during your meeting with BPPD  
on April 17, 1997

The labeling referred to above correcting labeling change from minimal to nominal concentration, submitted in connection with REREGISTRATION under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely,

*Handwritten signature: Janet L. Andersen*

Janet L. Andersen, Director  
Biopesticides and Pollution Prevention  
Division (7501W)

Wnelson:308-8682:05/02/97:methoprene:epa reg. no. 2724-473

CONCURRENCES

|         |           |  |  |  |  |  |     |
|---------|-----------|--|--|--|--|--|-----|
| SYMBOL  | 7501W     |  |  |  |  |  |     |
| SURNAME | W. Nelson |  |  |  |  |  |     |
| DATE    | 5/2/97    |  |  |  |  |  | 126 |

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate]..... 10.5%

Inert Ingredients: .....89.5%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

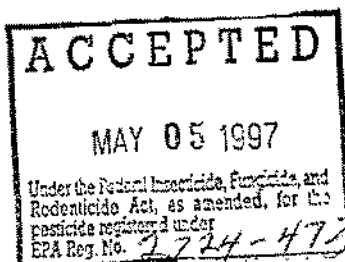
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



REC'D. MARY/DPDI  
97 APR 21 09:40

#### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

##### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
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|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
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ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

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**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

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Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA

[ ] indicates optional statements

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To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate]..... 10.5%

Inert Ingredients: ..... 89.5%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

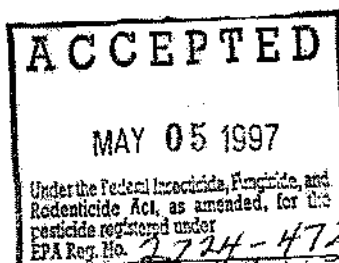
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



'97 APR 21 09:40

REC'D EPA/OPF/DPD1

#### General Information

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ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:



| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

256676

## Application for Pesticide - Section I

|                                                                                                                                                                                                 |                                                                                                                                                                                     |                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br><b>Sandoz Agro, Inc./2724-473</b>                                                                                                                                  | 2. EPA Product Manager<br><b>J. Anderson</b>                                                                                                                                        | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br><b>ALTOSID 10%<br/>Sandoz Agro, Inc./Cattle Premix</b>                                                                                                             | PM#<br><b>90</b>                                                                                                                                                                    |                                                                                                            |
| 5. Name and Address of Applicant (Include ZIP Code)<br><b>Sandoz Agro, Inc.<br/>1300 East Touhy Avenue<br/>Des Plaines, IL 60018</b><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |                                                                                                            |

## Section - II

|                                                                                |                                                                                        |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label error in change from minimal to nominal (Ingredient Statement) corrected

## Section - III

|                                                                                                                                                                                |                                                                                          |                                                                                                   |                                      |                                                                                                                                              |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1. Material This Product Will Be Packaged In:                                                                                                                                  |                                                                                          |                                                                                                   |                                      | 2. Type of Container                                                                                                                         |                                  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input checked="" type="checkbox"/> No                                                                           | Unit Packaging<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                                      | <input checked="" type="checkbox"/> Metal                                                                                                    | <input type="checkbox"/> Plastic |
| * Certification must be submitted                                                                                                                                              | If "Yes" Unit Packaging wgt.<br><b>6 lb.</b>                                             | No. per container<br><b>1</b>                                                                     | If "Yes" Package wgt.                | <input checked="" type="checkbox"/> Glass                                                                                                    | <input type="checkbox"/> Paper   |
|                                                                                                                                                                                |                                                                                          |                                                                                                   |                                      | <input type="checkbox"/> Other (Specify)                                                                                                     |                                  |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container                                                        |                                                                                          | 4. Size(s) Retail Container<br><b>6 lb.</b>                                                       |                                      | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |                                  |
| 6. Manner in Which Label Is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                                                                                          |                                                                                                   | <input type="checkbox"/> Other _____ |                                                                                                                                              |                                  |

## Section - IV

|                                                                                                                                                                                                                                                                             |  |                                                          |                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------|----------------------------------------------------------|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                               |  |                                                          |                                                          |
| Name<br><b>Steven Spaulding</b>                                                                                                                                                                                                                                             |  | Title<br><b>Mgr Regulatory Affairs</b>                   |                                                          |
|                                                                                                                                                                                                                                                                             |  | Telephone No. (Include Area Code)<br><b>847-390-3007</b> |                                                          |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |                                                          | 6. Date Application Received<br>(Stamped)<br>APR 21 1997 |
| 2. Signature<br><i>SK Spaulding</i>                                                                                                                                                                                                                                         |  | 3. Title<br><b>Mgr Regulatory Affairs</b>                |                                                          |
| 4. Typed Name<br><b>Steven Spaulding</b>                                                                                                                                                                                                                                    |  | 5. Date<br><b>April 18, 1997</b>                         |                                                          |

## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.30 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief Information Officer, Bureau (2156) U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use registration, amendment, resubmission, to application for labeling, final printed labeling, reregistration, etc. In order to process an application for a new registration or labeling on this form, the following material must accompany any the application:

1. Confidentiality with Respect to Citation of Data (EPA Form 8570-29) (If not exempted by 40 CFR 153.61 (b) (4));
2. Confidential Statement of Formula (EPA Form 8570-43);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Manifest where applicable.

**Submission of Labeling:** Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If proposed for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be constructed on 8.5 x 11 inch paper for submission.

**Submission of Data:** Data submitted in support of this application must be submitted in accordance with EPA Notice 81-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions (Sections I, II, and IV) must be completed by the applicant. For applications submitted in connection with amended registration, use the appropriate registration action (registrations, etc.). Sections I, II, and IV must be completed by the applicant.

**Block A - Check the appropriate action for which you are submitting this form.**

**SECTION I:** This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number:** Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a manufacturer, distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager:** If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification:** Specify the proposed classification of this product.
4. **Product Name:** Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designation.
5. **Name and Address of Applicant:** The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in regard to matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review:** FIFRA Section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II:** This section must be completed for all applications submitted to amend the registration only of a currently registered product (amendment), for a resubmission in response to an Agency letter, for notification to the Agency, for the submission of final printed labeling for registration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of Submission:** Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "The addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "re-registration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information):** This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging:** Check the appropriate block if your product will be packaged in the indicated packaging type. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container:** Indicate type of container in which product will be marketed.
3. **Location of Net Contents:** Indicate the location of the net contents information for your product.
4. **Labels of Retail Container:** Specify the net contents of all retail containers for your product.
5. **Location of Use Directions:** Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product:** Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point):** This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "make-to," reregistration, etc.

1. Self explanatory.
2. EPA Use Only.

**CORPORATE HEADQUARTERS**

TEL 847.699.1615

Document Processing Desk (AMEND)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 268A Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, Virginia 22202

April 18, 1997

ATTENTION: Janet Anderson / Director BPPD, PM 90

Subject: **ALTOSID 10% Cattle Premix - EPA Reg. No. 2724-473**  
**Sandoz 9404 Spray - EPA Reg. No. 55947-158**  
**Minor Label Amendments**


Dear Ms. Anderson:

As a result of changing from minimal to nominal labeling, errors in the active ingredient statements on the above-referenced products were discovered. This was discussed at an April 17, 1997 meeting between myself and several members of your staff. It was suggested that corrected labels be submitted as minor label amendments rather than notifications since we require copies of stamped labels to initiate state registration activities. Mr. Willie Nelson is especially familiar with the background behind these label errors. The specific errors are as follows:

- **ALTOSID 10% Cattle Premix (2724-473)** - Nominal methoprene content should be 10.5% rather than 10.0%. The CSF submitted with the original application dated October 1, 1996 is attached verifying the correct nominal methoprene concentration as 10.5%. Five (5) copies of the corrected labels are enclosed. Please return a stamped copy to us so that we may initiate state registrations.
- **Sandoz 9404 Spray (55947-158)** - Nominal permethrin content should be 0.50% rather than 0.58%. The CSF submitted with the original application dated September 3, 1996 is attached verifying the correct nominal permethrin concentration as 0.50%. Five (5) copies of the corrected labels are enclosed. Please return a stamped copy to us so that we may initiate state registrations.

Since these errors are minor in nature and have no impact on the manufacturing process or actual formulation composition, we would like to request that you expedite the review of these label amendments. Please contact me at (847) 390-3007 if you have any questions.

Yours Sincerely,  
SANDOZ AGRO, Inc.

  
Steven R. Spaulding  
Manager, Regulatory Affairs  
Consumer and Animal Health Products

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate].....10.5%

Inert Ingredients: .....89.5%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

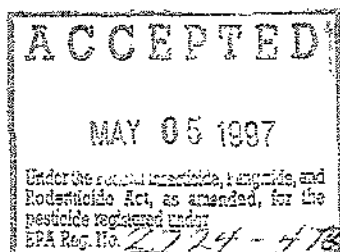
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



#### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:



| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
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|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
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|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
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|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

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#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate]..... 10.5%

Inert Ingredients: ..... 89.5%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

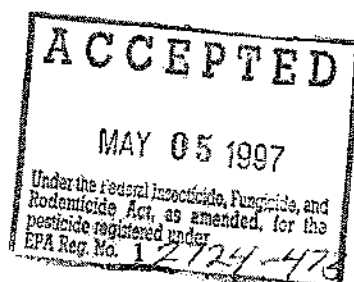
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-473

EPA Est. No.:

Net Wt.:



97 APR 21 19:40

REC'D EPA/OPP/DPD1

#### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure.

ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements.*

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

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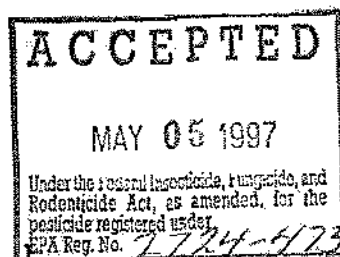
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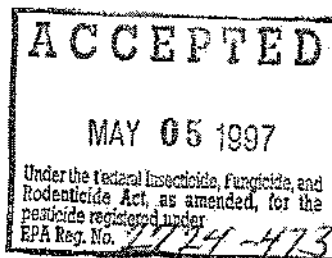
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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

Date of Issuance:

2724-473

Term of Issuance:

Unconditional

Name of Pesticide Product:

ALTOSID 10% CATTLE  
PREMIX

**NOTICE OF PESTICIDE:**

  X   Registration  
      Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

SANDOZ AGRO, INC.  
1300 East Touhy Avenue  
Des Plaines, Illinois 60018-3300

*17/1*

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c) (5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c) (5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 2724-473 ".

Signature of Approving Official:

*James L. Anderson*

Date:

*10/21/96*

EPA Form 8570-6

**CONCURRENCES**

|         |          |  |  |  |  |  |     |
|---------|----------|--|--|--|--|--|-----|
| SYMBOL  | 7501W    |  |  |  |  |  |     |
| SURNAME | Nelson   |  |  |  |  |  |     |
| DATE    | 10/21/96 |  |  |  |  |  | 160 |

page 2  
EPA Reg. No.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

3. Submit five copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

| CONCURRENCES |          |          |          |          |            |  |     |
|--------------|----------|----------|----------|----------|------------|--|-----|
| SYMBOL       | Wneilson | 10/21/96 | 308-8682 | 2724-479 | methoprene |  |     |
| SURNAME      |          |          |          |          |            |  |     |
| DATE         |          |          |          |          |            |  | 161 |

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10%

Inert Ingredients: ..... 90%

Total 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on back of bag.

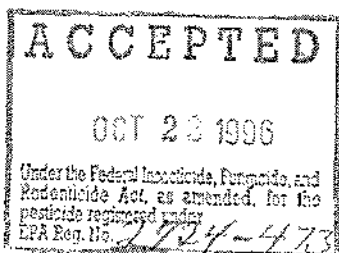
EPA Reg. No.: 2724-XXX

EPA Est. No.:

Net Wt.:

96 OCT -9 10:09

RECD EPA/OPP/OPP01



#### **General Information**

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

##### **Blending and Feeding ALTOSID 10% Cattle Premix**

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements*.

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.5 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 87                                                         |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 65                                                         |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 256 (0.055)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 226                                                        |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.



**PRECAUTIONARY STATEMENTS**

**(Hazards to Humans and Domestic Animals)**

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

Date of Issuance:

2724-473

Term of Issuance:

Unconditional

Name of Pesticide Product:

ALTOSID 10% CATTLE  
PREMIX

## NOTICE OF PESTICIDE:

  x   Registration  
      Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

SANDOZ AGRO, INC.  
1300 East Touhy Avenue  
Des Plaines, Illinois 60018-3300

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 2724-473".

Signature of Approving Official:

Date:

*Grant L. Anderson*

10/21/96

EPA Form 8570-6

## CONCURRENCES

|         |          |  |  |  |  |  |    |
|---------|----------|--|--|--|--|--|----|
| SYMBOL  | 7501W    |  |  |  |  |  |    |
| SURNAME | Nelson   |  |  |  |  |  |    |
| DATE    | 10/21/96 |  |  |  |  |  | 67 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

3. Submit five copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

| CONCURRENCES |          |          |          |          |            |  |     |
|--------------|----------|----------|----------|----------|------------|--|-----|
| SYMBOL       | WHEATSON | 10/21/96 | 308-8682 | 2724-475 | methoprene |  |     |
| SURNAME      |          |          |          |          |            |  |     |
| DATE         |          |          |          |          |            |  | 168 |



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

2724-473

Date of Issuance:

Term of Issuance:

Unconditional

Name of Pesticide Product:

ALTOSID 10% CATTLE  
PREMIX

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

SANDOZ AGRO, INC.  
1300 East Touhy Avenue  
Des Plaines, Illinois 60018-3300

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 2724-473".

Signature of Approving Official:

*James L. Anderson*

Date:

10/21/96

EPA Form 8570-6

page 2  
EPA Reg. No.

3. Submit five copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

**CORPORATE HEADQUARTERS**

TEL. 847.699.1616

Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Crystal Station - 5th Floor  
2805 Jefferson Davis Highway  
Arlington, VA 22202

September 19, 1996

Attn: Mr. Willie Nelson

**Subject: Custom Blending of ALTOSID 10% Cattle Premix  
New End-Use Product Registration**

Dear Mr. Nelson:

In response to an undated August 1996 letter from Janet Anderson regarding our ALTOSID CP-10 Custom Blending submission of July 23, 1996, please find enclosed a "no-data" submission for a new end-use product registration for ALTOSID 10% Cattle Premix which will allow custom-blending into cattle feed to control horn flies.

Blending instructions for ALTOSID 10% Cattle Premix have been included on the labeling to provide detailed directions as to how the product will be mixed and used. The composition of ALTOSID 10% Cattle Premix is identical to the composition of the formulating intermediate ALTOSID CP-10 (EPA Reg. No. 2724-367). The name has been changed to differentiate the formulating-use product from the end-use product. It is my understanding that a new EPA Registration Number will be assigned to the end-use product ALTOSID 10% Cattle Premix. Precautionary statements appropriate for the signal word CAUTION have been added to the end-use product label which never appeared on the formulating-use product label.

Included with this submission is the following documentation:

1. Application for Pesticide Registration - EPA Form 8570-1
2. 5 copies of revised labeling

3. Updated CSF (note that an identical CSF will be submitted under separate cover for ALTOSID CP-10 as part of Phase 5 of the methoprene reregistration process).

We hope that you will consider this new product application for expedited review since the formulating-use product and end-use product are identical and previous correspondence with EPA indicated that revised end-use product labeling with blending directions was all that was required to approve this product for custom-blending.

Please contact me at (847) 390-3007 if you have any questions.

Yours Sincerely,  
SANDOZ AGRO, Inc.



Steven R. Spaulding  
Manager, Regulatory Affairs  
Consumer and Animal Health Products

cc: F. Jusich  
G. Lindahl



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

243422

## Application for Pesticide - Section I

|                                                                                                                                                                                    |                                                                                                                                                                                                  |                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1. Company/Product Number<br>SANDOZ AGRO, INC./2724-UTG                                                                                                                            | 2. EPA Product Manager<br>P. Hutton                                                                                                                                                              | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product Name<br>SANDOZ AGRO, INC./ALTOSID 10% Cattle Premix                                                                                                             | PM#<br>90                                                                                                                                                                                        |                                                                                                            |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Sandoz Agro, Inc.<br>1300 E. Touhy Ave.<br>Des Plaines, IL 60018<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. 2724-367<br>Product Name ALTOSID CP-10 |                                                                                                            |

## Section - II

|                                                                                           |                                                                                        |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <input type="checkbox"/> Amendment - Explain below.                                       | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input checked="" type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.                                         |
| <input type="checkbox"/> Notification - Explain below.                                    | <input type="checkbox"/> Other - Explain below.                                        |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

New application for registration of End-Use Product for Custom Blending.

## Section - III

|                                                                                                                                              |                                                                                          |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Material This Product Will Be Packaged In:                                                                                                |                                                                                          |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                          | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                                                                                      | 2. Type of Container<br><input type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| If "Yes" Unit Packaging wgt. No. per container                                                                                               |                                                                                          | If "Yes" Package wgt. No. per container                                                                                                                                                                                |                                                                                                                                                                                                                                        |
| 3. Location of Not Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container                      |                                                                                          | 4. Size(s) Retail Container<br>6 lb.                                                                                                                                                                                   |                                                                                                                                                                                                                                        |
| 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |                                                                                          | 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled<br><input type="checkbox"/> Other _____ |                                                                                                                                                                                                                                        |

## Section - IV

|                                                                                                                                                                                                                                                                             |  |                                                    |                                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--------------------------------------------------------------|--|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)                                                                                                                               |  |                                                    |                                                              |  |
| Name<br>Steven R. Spaulding                                                                                                                                                                                                                                                 |  | Title<br>Manager, Regulatory Affairs               |                                                              |  |
|                                                                                                                                                                                                                                                                             |  | Telephone No. (Include Area Code)<br>(847)390-3007 |                                                              |  |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |                                                    | 6. Date Application Received<br>(Stamped)<br><br><br><br>173 |  |
| 2. Signature<br>                                                                                                                                                                                                                                                            |  | 3. Title<br>Manager, Regulatory Affairs            |                                                              |  |
| 4. Typed Name<br>Steven R. Spaulding                                                                                                                                                                                                                                        |  | 5. Date<br>19 September 1996                       |                                                              |  |



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and P#M number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.

Post Appl.

United States Environmental Protection Agency  
Washington, DC 20460

## Formulator's Exemption Statement

(40 CFR 152.85)

## Applicant's Name and Address

SANDOZ AGRO, INC.  
1300 E. Touhy Ave.  
Des Plaines, IL 60018

## EPA File Symbol/Registration Number

2724-UTG

## Product Name

ALTOSID 10% Cattle Premix

## Date of Confidential Statement of Formula (EPA Form 8570-4)

October 1, 1996

As an authorized representative of the applicant for registration of the product identified above, I here certify that:

(1) This product contains the following active ingredient(s):

Methoprene

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging of another product which contains that active ingredient, which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA Form 8570-4) for the above identified product is attached to this statement. That formula statement indicate, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

## Source

| Active Ingredient         | Product Name          | Registration Number |
|---------------------------|-----------------------|---------------------|
| Methoprene (10.5% by wt.) | ALTOSID CP-10         | 2724-367            |
|                           | Formulators Exemption |                     |

Signature

Name and Title

Steven R. Spaulding,  
Manager, Regulatory Affairs

Date

Oct. 1, 1996

[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10%

Inert Ingredients: ..... 90%

Total 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on back of bag.

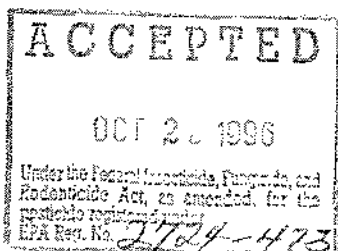
EPA Reg. No.: 2724-XXX

EPA Est. No.:

Net Wt.:

REC'D EPA/CFV/DPD1

96 OCT -9 18:09



#### General Information

ALTOSID 10% Cattle Premix is a premix which, when blended into a cattle ration according to the Directions for Use given below, will control horn flies which develop in cattle manure. ALTOSID 10% Cattle Premix is intended for use only in cattle.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

#### Blending and Feeding ALTOSID 10% Cattle Premix

ALTOSID 10% Cattle Premix interrupts the development of the horn fly in the manure of treated cattle [prevents the breeding of horn flies in the manure of treated cattle][prevents emergence of adult horn flies from the manure of treated cattle]. Begin use in the spring before horn flies appear on cattle and continue feeding until cold weather restricts horn fly activity.

ALTOSID 10% Cattle Premix rations may be fed to beef and dairy cattle, including breeding cattle, lactating cattle, and calves. When used as directed, rations containing ALTOSID 10% Cattle Premix may be fed up to slaughter, and to lactating dairy cows without withholding milk.

This product can be used in *complete feeds, concentrates, hand feeds, or mineral supplements*.

ALTOSID 10% Cattle Premix is fed to cattle at the level of 340 mg/100 lb body weight/month to achieve horn fly control. This rate is equal to 11.3 mg ALTOSID 10% Cattle Premix/100 lb body weight/day. The calculations in the chart below assume a 1000 pound animal as the head weight; see chart for mixing directions:

| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 8.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:8                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 65 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 258 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 228                                                        |
|                                                      | -                  | 1:19                              | 226 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
|                                                      | -                  | 1:79                              | 904 (0.20)                                        | 11.3 (0.0025)                               | 1808                                                       |
| Supplement for Hand Feeding                          | 2.0 lb/head        | -                                 | 57 (0.013)                                        | -                                           | 113                                                        |
|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 228 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

#### Important Note to Feed Mill Operators

- ALTOSID 10% Cattle Premix is a light, fluffy product and therefore, whenever possible, the material should be added directly to the mixer. Elevators, long free-fall gravity chutes, etc. should be avoided.
- It is critical in order to avoid loss of the low density premix that additions be made under conditions of low air turbulence or flow (shut off exhaust systems during ALTOSID 10% Cattle Premix addition).
- Whenever possible, add the ALTOSID 10% Cattle Premix after the addition of the liquid components and blend to homogeneity.

#### When and How to Use ALTOSID 10% Cattle Premix

Use ALTOSID 10% Cattle Premix to break the life cycle of the horn fly. When fed to cattle, ALTOSID 10% Cattle Premix passes through the digestive system and is deposited throughout the manure. Here it stops the development of immature horn flies, before they can emerge as new adult flies. ALTOSID 10% Cattle Premix does not affect existing adult flies.

Start feeding ALTOSID 10% Cattle Premix early in the spring before horn flies appear. Continue feeding throughout the summer and into the fall until cold weather restricts fly activity.

If significant numbers of adult horn flies are already present when ALTOSID 10% Cattle Premix is introduced, it may take 3 to 5 weeks for an effect on the adult horn fly population to be clearly observed. For fast relief from existing fly burdens, consider the use of adulticide sprays, dusts, back-rubbers, or pour-ons.

Adult horn flies remain feeding on cattle day and night and leave the animal only to lay eggs in freshly passed manure. Without ALTOSID 10% Cattle Premix, eggs hatch and develop in the manure, resulting in a new generation of adult flies. These newly emerged flies may be carried downwind to a neighboring herd. Area wide fly control to include neighboring herds reduces the numbers of migrating flies.

ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

**(Hazards to Humans and Domestic Animals)**

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA



[ ] indicates optional statements

## ALTOSID® 10% CATTLE PREMIX

To prevent the breeding of horn flies in the manure of treated cattle

Active Ingredient: Methoprene

[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10%

Inert Ingredients:..... 90%

Total 100%

KEEP OUT OF REACH OF CHILDREN

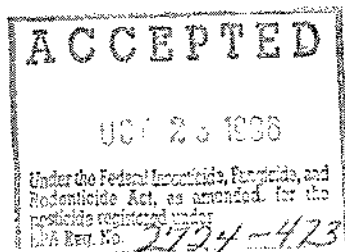
CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-XXX

EPA Est. No.:

Net Wt.:



96 OCT -9 18:10

RECD EPA/OPP/OPDI

#### **General Information**

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| FEED PRODUCT                                         | DAILY FEEDING RATE | RATIO OF SUPPLEMENT TO FEEDSTUFFS | ALTOSID 10% Cattle Premix IN SUPPLEMENT mg/lb (%) | ALTOSID 10% Cattle Premix IN FEED mg/lb (%) | GRAMS ALTOSID 10% Cattle Premix/ TON OF FEED PRODUCT g/ton |
|------------------------------------------------------|--------------------|-----------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
| Complete Feed                                        | 2.6 lb/cwt         | -                                 | -                                                 | 4.3 (0.001)                                 | 6.7                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
|                                                      | -                  | 1:19                              | 87 (0.02)                                         | 4.3 (0.001)                                 | 174                                                        |
|                                                      | -                  | 1:39                              | 174 (0.04)                                        | 4.3 (0.001)                                 | 348                                                        |
|                                                      | -                  | 1:79                              | 348 (0.08)                                        | 4.3 (0.001)                                 | 696                                                        |
| Complete Feed                                        | 3.5 lb/cwt*        | -                                 | -                                                 | 3.2 (0.0007)                                | 6.5                                                        |
| Supplement or Premix for Preparing Complete Feeds    | -                  | 1:9                               | 32 (0.007)                                        | 3.2 (0.0007)                                | 65                                                         |
|                                                      | -                  | 1:19                              | 85 (0.014)                                        | 3.2 (0.0007)                                | 130                                                        |
|                                                      | -                  | 1:39                              | 129 (0.028)                                       | 3.2 (0.0007)                                | 260                                                        |
|                                                      | -                  | 1:79                              | 259 (0.056)                                       | 3.2 (0.0007)                                | 520                                                        |
| Concentrate Fed with Roughage                        | 1.0 lb/cwt         | -                                 | -                                                 | 11.3 (0.0025)                               | 22.6                                                       |
| Supplement or Premix for Preparing Concentrate Feeds | -                  | 1:9                               | 113 (0.025)                                       | 11.3 (0.0025)                               | 226                                                        |
|                                                      | -                  | 1:19                              | 228 (0.05)                                        | 11.3 (0.0025)                               | 452                                                        |
|                                                      | -                  | 1:39                              | 452 (0.10)                                        | 11.3 (0.0025)                               | 904                                                        |
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|                                                      | 1.5 lb/head        | -                                 | 75 (0.017)                                        | -                                           | 151                                                        |
|                                                      | 1.0 lb/head        | -                                 | 113 (0.025)                                       | -                                           | 226                                                        |
|                                                      | 0.5 lb/head        | -                                 | 226 (0.050)                                       | -                                           | 452                                                        |
| Mineral Mix                                          | 4.0 oz/head        | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                                      | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                                      | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                                      | 1.0 oz/750 lb      | -                                 | 1356 (0.30)                                       | -                                           | 2712                                                       |

\* Consumption level of total ration formulated for lactating dairy cattle at 3.5% body weight intake.

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**(Hazards to Humans and Domestic Animals)**  
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Sandoz Agro, Inc.  
1300 East Touhy Avenue  
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Made in USA

[ ] indicates optional statements

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[Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate] ..... 10%

Inert Ingredients: ..... 90%

Total 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on back of bag.

EPA Reg. No.: 2724-XXX

EPA Est. No.:

Net Wt.:

96 OCT -9 AB:10

RECD EIA/USP/DPD1

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| Supplement or Premix for Preparing | -                  | 1:9                               | 44 (0.01)                                         | 4.3 (0.001)                                 | 87                                                         |
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|                                    | 3.0 oz/head        | -                                 | 603 (0.13)                                        | -                                           | 1206                                                       |
|                                    | 2.0 oz/head        | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
|                                    | 1.0 oz/250 lb      | -                                 | 452 (0.10)                                        | -                                           | 904                                                        |
|                                    | 1.0 oz/500 lb      | -                                 | 904 (0.20)                                        | -                                           | 1808                                                       |
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ALTOSID 10% Cattle Premix may be fed up to slaughter and to lactating dairy cows without withholding milk.

#### **STORAGE AND DISPOSAL**

**Storage:** Store ALTOSID 10% Cattle Premix in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal.

**Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into mixer. Dispose of empty bag in a sanitary landfill or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

In case of fire, accident, major spillage, or other emergency, contact Sandoz Agro, Inc. at \_\_\_\_\_ day or night.

**PRECAUTIONARY STATEMENTS**

(Hazards to Humans and Domestic Animals)

**CAUTION**

Causes eye and skin irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritations persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritations persists.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material.

ALTOSID® is a registered trademark of Sandoz Ltd.

Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Made in USA

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Page \_\_\_\_\_ is not included in this copy.

Pages 192 through 197 are not included in this copy.

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The material not included contains the following type of information:

- \_\_\_\_\_ Identity of product inert ingredients.
- \_\_\_\_\_ Identity of product impurities.
- \_\_\_\_\_ Description of the product manufacturing process.
- \_\_\_\_\_ Description of quality control procedures.
- \_\_\_\_\_ Identity of the source of product ingredients.
- \_\_\_\_\_ Sales or other commercial/financial information.
- \_\_\_\_\_ A draft product label.
- ☒ The product confidential statement of formula.
- \_\_\_\_\_ Information about a pending registration action.
- \_\_\_\_\_ FIFRA registration data.
- \_\_\_\_\_ The document is a duplicate of page(s) \_\_\_\_\_.
- \_\_\_\_\_ The document is not responsive to the request.
- \_\_\_\_\_ Internal deliberative information.
- \_\_\_\_\_ Attorney-Client work product.
- \_\_\_\_\_ Claimed Confidential by submitter upon submission to the Agency.
- Personal Privacy Information

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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